

Final Report: Engineering Test

Brookings RTO and CTO Destruction/Reduction Efficiency Tests

LIMS Project Number: E18-0749

Testing Laboratory

3M Environment, Health, and Safety
EHS Laboratory

3M EHS Laboratory

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The laboratory's quality system has been audited and was found to be in conformance with the EPA GLPs (40 CFR 792) as well as ANSI/ISO/IEC 17025:2005 by an independent assessment. The specific test included in this report is not on the lab's scope of accreditation.

3M Confidential

3M EHS Laboratory – Thermal Oxidizer Engineering Tests

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Test Location: 3M Brookings

Brookings RTO and CTO Destruction/Reduction Efficiency Tests

LIMS Project Number: E18-0749

Date of Report: Date of Last Signature

1 Introduction/Summary

Two engineering tests were performed at the 3M Brookings, South Dakota facility. The initial test event was performed for the newly installed **Catalytic Thermal Oxidizer (CTO)** on 11/27/18. Monitoring at the inlet and outlet of the CTO was performed by Fourier Transform Infrared Spectrometry (FTIR) to target the only loading compound of Ethylene Oxide. Sampling from the inlet occurred directly from a 2" pipe which is the only source of Ethylene Oxide. There is a second duct which draws in only ambient air for make-up air to the CTO. Results of monitoring confirmed the operation of the CTO at >99.9 % removal efficiency. Detailed results are shown in Section 1.3 and in Attachment 7.4

The follow-up test event was performed for the **Regenerative Thermal Oxidizer (RTO)** on 11/28/18. Monitoring at the inlet and outlet of the RTO was performed by Flame Ionization Analyzer (FIA or FID) for VOC. Results confirmed RTO at >99.0 % removal efficiency. Detailed results are shown in Attachment 7.4.

1.1 CTO: Ethylene Oxide Removal Efficiency Summary

Test Runs 1-3 were monitored at a Temperature of 365°F under similar conditions and Runs 4-5 dropped Temperature to 355°F. A summary of test results and removal efficiency is shown in Table 1 below:

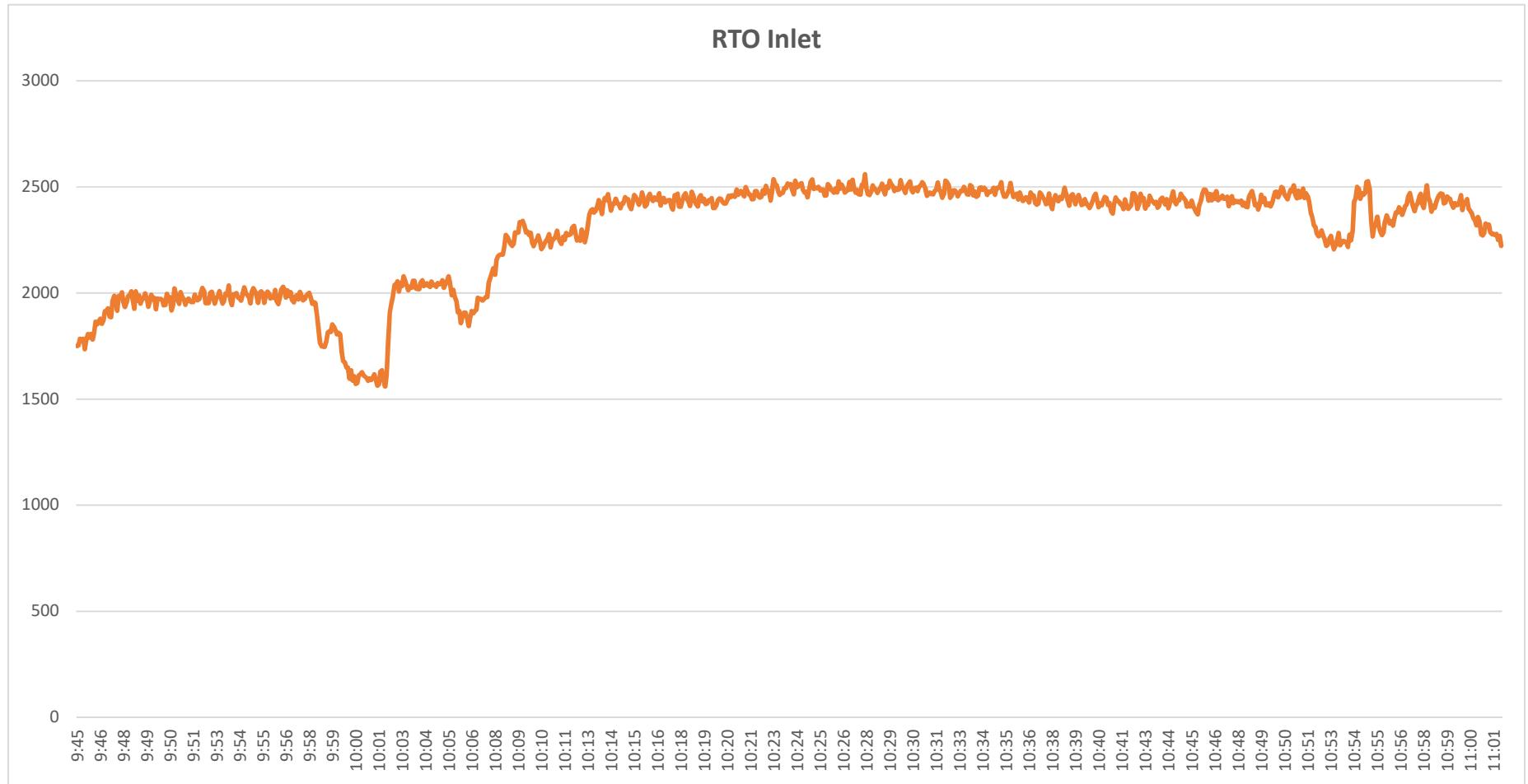
Table 1 (CTO): Ethylene Oxide Removal Efficiency for Each Run

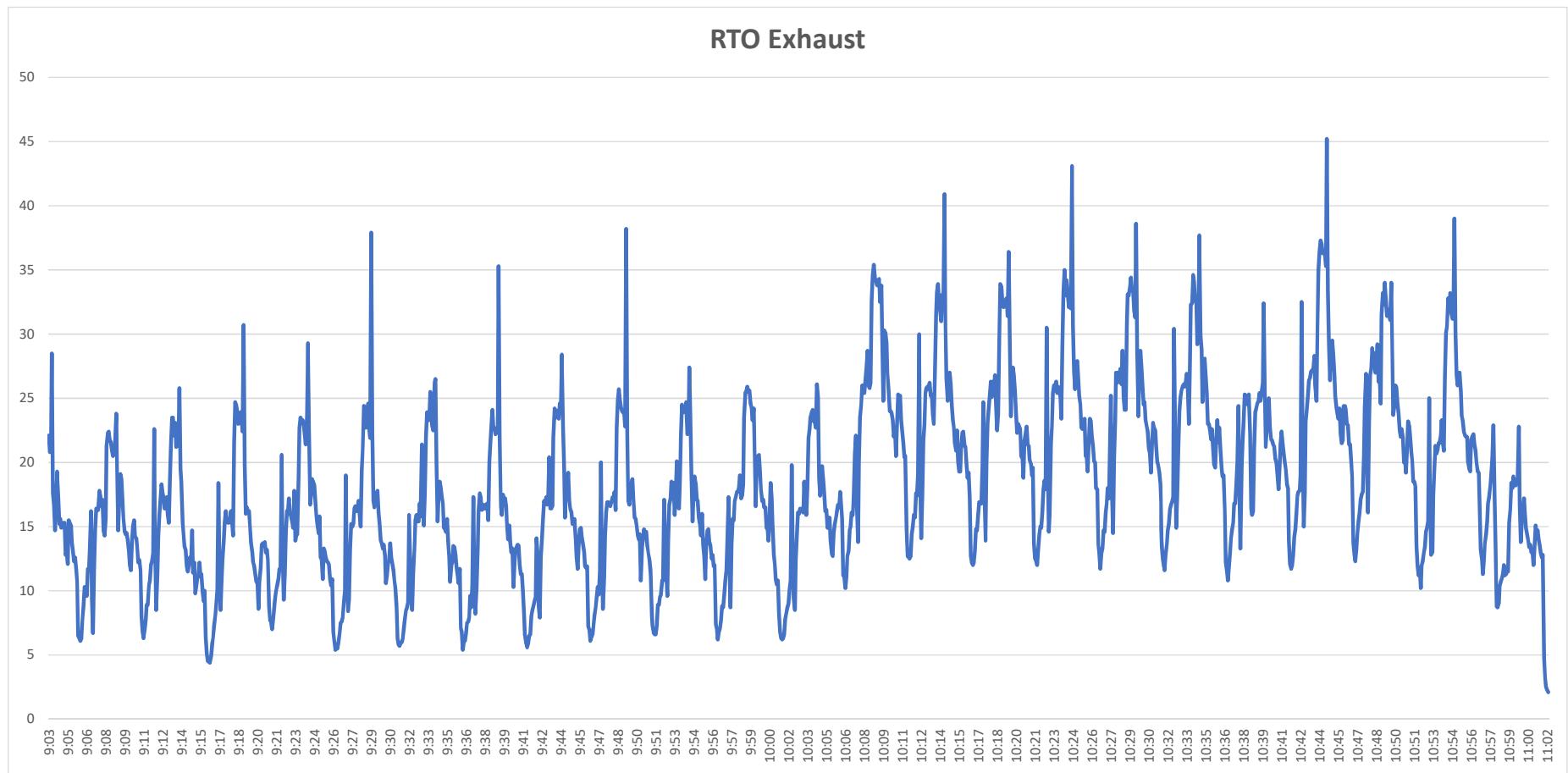
Run (Description)	Ethylene Oxide Mass Loading (lbs/hr)	Ethylene Oxide Mass Emissions (lbs/hr)	Removal Efficiency (%)
Run 1 (2 cans @ 365°F)	2.1	0.001	>99.9
Run 2 (2 cans @ 365°F)	3.1	0.001	>99.9
Run 3 (2 cans @ 365°F)	2.9	0.001	>99.9
Run 4 (2 cans @ 355°F)	2.9	0.001	>99.9
Run 5 (2 cans @ 355°F)	3.1	0.001	>99.9

Note: Airflow of 20.9 CFM calculated based on SF6 Tracer. Calculation as follows:

$$\text{CFM} = (\text{Flow Rate of SF6 Tracer} * \text{SF6 Cylinder Value}) / \text{SF6 FTIR Result (ppmV)} \\ * 0.0353 (\text{LPM to CFM Conversion})$$

$$20.9 \text{ CFM} = ((0.1 \text{ LPM} * 1,030 \text{ PPMV}) / (0.174 \text{ ppmV}) * 0.0353)$$





1.2 RTO: VOC Removal Efficiency Summary

Table 2 indicates the average VOC concentration (Over 20-30 minute period) and measured airflow at each sampling location. Additionally, the calculated total VOC mass loading is shown and % removal efficiency is shown in the last column.

Table 2: RTO VOC Removal Efficiency Summary

RTO	Inlet VOC as Methane (ppm)	Inlet Airflow (SCFM)	Inlet VOC Mass Loading (lb/hr)	Outlet VOC as Methane (ppm)	Outlet Airflow (SCFM)	Outlet VOC Mass Loading (lb/hr)	Destruction / Removal Efficiency (%)
Run 1	1916	63,300	300	15.5	66,800	2.6	99.1
Run 2	2442	63,300	390	22.7	66,800	3.8	99.0

1.3 CTO: Ethylene Oxide Test Run Details

Table 3 is representative of the average ethylene oxide concentration (Over 10 minute test runs) and measured (or calculated) airflow at the Inlet and Exhaust of the CTO.

Table 3: CTO Ethylene Oxide Removal Efficiency Details

Run (Description)	Ethylene Oxide Average Result (PPMv)	Volumetric Airflow Rate (SCFM)	Mass Rate (LB/HR)
Run 1 (CTO Inlet)	14,800	617	2.1
Run 1 (CTO Exhaust)	0.30	20.9	0.001
Run 2 (CTO Inlet)	21,600	617	3.1
Run 2 (CTO Exhaust)	0.30	20.9	0.001
Run 3 (CTO Inlet)	20,600	617	2.9
Run 3 (CTO Exhaust)	0.26	20.9	0.001
Run 4 (CTO Inlet)	20,000	617	2.9
Run 4 (CTO Exhaust)	0.28	20.9	0.001
Run 5 (CTO Inlet)	21,500	617	3.1
Run 5 (CTO Exhaust)	0.26	20.9	0.001

2 Methods- Analytical and Preparatory

2.1 VOC Test Method

RTO: Measurement of total VOCs was performed with a FID following **Modified EPA Method 25A**. Measurements of the volumetric airflow at the specific exhaust locations were also measured by Modified EPA Methods 1-4. For methods 1-4, wet/dry bulb was used as an estimate of humidity in the

stacks or ducts and ambient concentrations of oxygen, carbon monoxide, and carbon dioxide were assumed. For method 25a, quality measures included 1-point calibration and periodic drift checks.

CTO: Method 8-031.4 (EPA Method 320): The project quality level for this study was designated as "Level Two: Quantitative Monitoring". Project Quality Level 2 (PQL 2) is appropriate for emission factor estimates and non-compliance test measurements. PQL 2 is appropriate when the project objectives specify the data will not be incorporated in compliance tests of manufacturing emissions, but can be used in certain environmental permitting and regulatory activities such as emission factor estimation.

2.1 VOC Monitoring Instrumentation

RTO: ThermoFisher Scientific TVA2020 Toxic Vapor Analyzers, specifically TVA9 and TVA10, were used for the analysis on 11/28/18. Total VOC = Total Hydrocarbons.

CTO: Extractive FTIRs from MKS (Model 2030), specifically 2MKS and 7MKS, were used for the analysis on 11/27/18. Total VOC = Ethylene Oxide.

2.2 Volumetric Airflow Determination

RTO: Modified EPA Methods 1- 4 were performed to determine airflow rate before and after the RTO. O₂ and CO₂ were assumed ambient and moisture was estimated based on wet/dry bulb calculation.

CTO: Modified EPA Methods 1- 4 were performed to determine airflow rate after the CTO (and CTO Inlet airflow was determined by OTM-24). O₂ and CO₂ were assumed ambient and moisture was estimated based on wet/dry bulb calculation.

2.3 Calculations (Mass Emission Results)

RTO: Results generated by the TVA2020 are reported in ppmv (parts per million by volume) **of methane**.

CTO: Results generated by the MKS are reported in ppmv (parts per million by volume) **for speciated compound of ethylene oxide**.

These results are converted to a mass emission rate (lbs/hr) using the following equation:

$$\frac{\text{lbs}}{\text{hr}} = \text{FID (ppmV)} * \text{Airflow (SCFM)} * \text{Mol. Weight (cal gas)} * 0.00000015578$$

3 TVA & FTIR Analysis

3.1 Calibration

RTO: The FID was calibrated using a 10 ppmV or a 1,000 ppmV certified standard of methane. The calibration was checked before and after sampling.

CTO: The FTIR was calibrated using a 20 ppmV (cylinder # 195972) certified standard of ethylene, see section 7.2. The calibration was checked before and after sampling. Note: The CTO Inlet was ~10% lower than target CTS concentration.

3.2 Zeroes

Before each test, ambient air was used to calibrate the instrument zero for both sites.

4 Data/Sample Retention

This report and all associated data will be archived and retained according to record retention policy.

5 Conclusion

Results are only valid for the described test. The tests described herein are only considered valid when for use as engineering tests, or for optimization of thermal oxidizer. They do not meet the requirements of an official compliance test and may not be used in place of a compliance test.

6 Signatures

Tim Gutzkow, EHS Technical Manager

Brian Mader, EHS Laboratory Management

7 Attachments

7.1 Field Data Sheets (FTIR, TVA, Airflow)

11/28/2018

Brookings TO test datasheet

Barometric pressure 29.73 in Hg

TVA10 calibrated at 1000ppm methane at 9:10

TVA10 checked by 1000ppm methane at 9:15

Started measuring inlet at 9:45am with TVA 10

Stopped measuring intlet at 11:00

TVA10 post calibration at 11:25

TVA9 calibrated at 10ppm methane at 8:45

TVA9 checked by 10ppm methane at 8:57

Started measuring outlet at 9:03am with TVA9

Stopped measuring outlet at 11:05

TVA9 post calibration at 11:22

	THC as C1 (PPM)	THC	THC
	<u>HRS</u>	<u>Inlet</u>	<u>Outlet</u>

Inlet	Outlet	Run 1	9:45-10:05	1916	15.5
WB	WB	Run 2	10:10-10:40	2442	22.7
DB	DB				
static P	0.375 in H2O				
Traverse points	Traverse points				
1 0.497	1 0.36	Run 1	9:45-10:05	300	2.6 >99%
2 0.446	2 0.268	Run 2	10:10-10:40	390	3.8 >99%
3 0.419	3 0.384				
4 0.442	4 0.259				
5 0.494	5 0.45				
6 0.423	6 0.468				

run conditions

9:42	m4, m6
10:10	m1,m4,m6

Comments: the dock area is on the raised floor in the train car storage area in Brookings plant

NOTE: Signature NOT signed on date of generation.

Digitally signed by Timothy G. Gutkow
DN: c=US, st=NM, l=St. Paul, ou=3M Environmental Laboratory - authenticated by LRA, o=3M,
cn=Timothy G. Gutkow, email=tgutkow@mmm.com
Reason: I agree to specified portions of this document
Date: 2019.02.05 13:39:43 -06'00'

3 EH&S Ops Environmental Laboratory			Extractive FTIR Sample Collection Data Sheet					Page 1 of 1			
Lab Req. No:		E18-0749	Baro, inHg:	0.00	psia	Signal 4K(cm ⁻¹)		Signal 2K(cm ⁻¹):	#DIV/0!		
Project Name:		Brookings Abator Engineering				Test Loc:	(1)				
Computer ID:		7MKS	FTIR ID:	7MKS	(2)			(3)			
Operator (s):		KAK/TGG	Date:	11/27/2018	(4)			(5)	Ethylene Cyl CC 195972		
Ref. Method:			ETS-8-31	Quality Level:	(1) Screen	(2) Quantative	(3) Comp	(4) Validation			
Collection Dir:			7MKS 21Nov2018	Meth Name:	brookings			Inst. Res(cm ⁻¹):	0.5		
# Scans, BG/Samp:	64	128	Time/Sample, min:	1.1	2.1	Sampling Interval:	0	Pathlength, m:	5.1100		
Cells: PL,Vol	0.5cm, 0.0006	1cm, 0.0113	5cm, 0.0567	10cm, 0.113	4m, 0.209	10m, 2.13	Tape, 5.7	Parr, 0.636	Tube, ID in., length ft		
Leak Check:	Initial, atm:	0.891	Time:	10:39	Final, atm:	0.893	Time:	10:44	Diff, atm, min:	0.002	5
Cell Vol, L:	Tubing Vol,	0.000	System Vol, L:	0.0000	Leak Vol/min:	0.0000	Pass, <4%:	#DIV/0!			
Leak Check:	Initial, psia:		Time:		Final, psia:		Time:	Diff, psia,min:	0	0	
Cell Vol, L:	Tubing Vol,	0.000	System Vol, L:	0.0000	Leak Vol/min:	#DIV/0!	Pass, <4%:	#DIV/0!			
File Name(s)	Time (24hr)	Test Location	Sample Description					Flow (LPM)	Cell Pressure (atm)	Cell Temp (deg C)	
BGK1	10:25		Doc Storage Area Ambient Air Background					0	0.94	36	
Lab1-9	10:26		Doc Storage Area Ambient Air					0	0.94	36	
Lab 10-16	10:37		Leak Check					0			
Lab17-	10:48		Ethylene 20.0 ppm					1			
LAB24-55	11:23		ethy abator outlet stack					1	0.94	36	
LAB56-627			ethy abator outlet stack					~2			
LAB628-	15:26		Ethylene 20.0 ppm Overflow					~1			
Comments:											
NOTE: Signature NOT signed on date of generation.											
			Digitally signed by Timothy G. Gutzkow DN: c=US, st=MN, l=St. Paul, ou=3M Environmental Laboratory - authenticated by LRA, o=3M, cn=Timothy G. Gutzkow, email=tgutzkow@mmm.com Reason: I agree to specified portions of this document Date: 2019.02.05 13:42:45 -06'00'								
3 Environmental Health & Safety Operations-Environmental Lab 3M Center, Building 260-5N-17, Maplewood, MN 55144 Rev - 3/7/11											

Airflow Collection Sheet

T.O. Efficiency		3M LIMS #: E18-0749		Date:	11/27/2018
Unit Tested: Brookings - CTO Outlet			Pitot Coeff.:	S-type (0.84) ▼	
Stack ID:		EtO Abator outlet			Stack Type: Circular
Stack Dimension 1 (in, D/D1/L):		32	Stack Dimension 2 (in, D2/W):		
Test Number Time % O₂ (20.9 for ambient) %CO₂ (0.038 for ambient) % Moisture (overrides WB/DB) Barometric Pressure (in Hg) Static Pressure (in H₂O) Dry Bulb (°F) Wet Bulb(°F)	1	2	3	4	5
	20.9				
	0.04				
	29				
	-0.064				
	200				
	65				
Traverse Point		ΔP (in H ₂ O)			
	1	0.001			
	2	0.000			
	3	0.002			
	4	0.001			
	5	0.002			
	6	0.002			
	7	0.002			
	8	0.002			
	9	0.003			
	10	0.001			
	11	0.002			
	12	0.001			
	13				
	14				
	15				
	16				
Notes/Diagrams:					
Pitot #:		EDM #:			
Barometer #:		Thermometer #:			

Signature and Date:

3M LIMS E18-0749

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Airflow Collection Sheet

Brookings TO and EtO abator	3M LIMS #:	Date:	11/28/2018		
Unit Tested: Brookings - RTO Inlet		Pitot Coeff.:	S-type (0.84) ▼		
Stack ID: Brookings TO Inlet		Stack Type: Circular			
Stack Dimension 1 (in, D/D1/L):	72	Stack Dimension 2 (in, D2/W):			
Test Number Time	1	2	3	4	5
	20.9				
% CO ₂ (0.038 for ambient)	0.04				
% Moisture (overrides WB/DB)					
Barometric Pressure (in Hg)	29				
Static Pressure (in H ₂ O)	-4.044				
Dry Bulb (°F)	61.9				
Wet Bulb(°F)	55.9				
Traverse Point	ΔP (in H ₂ O)				
1	0.497				
2	0.446				
3	0.419				
4	0.442				
5	0.494				
6	0.423				
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
Notes/Diagrams:					
Pitot #:		EDM #:			
Barometer #:		Thermometer #:			

Signature and Date:

3M LIMS E18-0749

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Airflow Collection Sheet

Brookings TO and EtO abator	3M LIMS #:	E18-0749	Date:	11/28/2018
Unit Tested: Brookings - RTO Exhaust		Pitot Coeff.:	S-type (0.84) ▼	
Stack ID: Brookings TO Outlet		Stack Type: Circular		
Stack Dimension 1 (in, D/D1/L):	84	Stack Dimension 2 (in, D2/W):		
Test Number Time	1	2	3	4
				5
% O ₂ (20.9 for ambient)	15.7			
% CO ₂ (0.038 for ambient)	3.5			
% Moisture (overrides WB/DB)				
Barometric Pressure (in Hg)	29			
Static Pressure (in H ₂ O)	0.375			
Dry Bulb (°F)	240			
Wet Bulb(°F)	114			
Traverse Point	ΔP (in H ₂ O)			
1	0.360			
2	0.268			
3	0.384			
4	0.259			
5	0.450			
6	0.468			
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
Notes/Diagrams:				
Pitot #:	EDM #:			
Barometer #:	Thermometer #:			

Signature and Date:

3M LIMS E18-0749

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7.2 TVA and FTIR (CTS) Calibration Logs

RTO Inlet		DATA	DATE	TIME	TIME	T.O. Inlet Result (ppm as CH4)		
					<u>Corrected</u>			
	28 NOV		18	10:07:06	9:17	1042	PPM	OK
	28 NOV		18	10:07:11	9:17	1043	PPM	OK
	28 NOV		18	10:07:16	9:17	1043	PPM	OK
	28 NOV		18	10:07:21	9:17	1043	PPM	OK
	28 NOV		18	10:07:26	9:17	1043	PPM	OK
AUTO	DATA	DATE	TIME	PID				
	28 NOV		18	12:15:59	11:25	1026	PPM	OK
	28 NOV		18	12:16:04	11:26	1020	PPM	OK
	28 NOV		18	12:16:09	11:26	1029	PPM	OK
	28 NOV		18	12:16:14	11:26	1022	PPM	OK
	28 NOV		18	12:16:19	11:26	1028	PPM	OK
								1000ppm Cal

END

RTO Exhaust	DATA	DATE	TIME	Corrected	RTO Exhaust (ppm as CH4)		
				Time			
28	NOV	18	10:42:41	8:57	3.4	PPM	OK
28	NOV	18	10:42:46	8:57	5.5	PPM	OK
28	NOV	18	10:42:51	8:57	10.2	PPM	OK
28	NOV	18	10:42:56	8:57	10.1	PPM	OK
28	NOV	18	10:43:01	8:58	10.2	PPM	OK
28	NOV	18	10:43:06	8:58	10.1	PPM	OK
28	NOV	18	10:43:11	8:58	10.1	PPM	OK
28	NOV	18	10:43:16	8:58	10.1	PPM	OK
28	NOV	18	10:43:21	8:58	10.1	PPM	OK
28	NOV	18	10:43:26	8:58	7	PPM	OK
28	NOV	18	10:43:31	8:58	3.9	PPM	OK
AUTO	DATA						
	DATE	TIME	PID				
28	NOV	18	13:08:06	11:23	10.2	PPM	OK
28	NOV	18	13:08:11	11:23	10	PPM	OK
28	NOV	18	13:08:16	11:23	10.1	PPM	OK
28	NOV	18	13:08:21	11:23	10.2	PPM	OK
28	NOV	18	13:08:26	11:23	9.9	PPM	OK
28	NOV	18	13:08:31	11:23	10.1	PPM	OK

END

Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C
2MKS_0129.LAB	11/27/2018	11:28	18.09
2MKS_0130.LAB	11/27/2018	11:28	18.09
2MKS_0131.LAB	11/27/2018	11:28	18.11
2MKS_0132.LAB	11/27/2018	11:29	18.19
2MKS_0133.LAB	11/27/2018	11:29	18.17
2MKS_0134.LAB	11/27/2018	11:29	18.12
2MKS_0135.LAB	11/27/2018	11:29	18.17
2MKS_0136.LAB	11/27/2018	11:30	18.18
2MKS_0137.LAB	11/27/2018	11:30	18.15
2MKS_0138.LAB	11/27/2018	11:30	18.13
2MKS_0139.LAB	11/27/2018	11:30	18.12
2MKS_0140.LAB	11/27/2018	11:31	18.10
2MKS_0141.LAB	11/27/2018	11:31	18.07
2MKS_0142.LAB	11/27/2018	11:31	18.17
2MKS_0143.LAB	11/27/2018	11:31	18.18
2MKS_0144.LAB	11/27/2018	11:32	18.12
2MKS_0145.LAB	11/27/2018	11:32	18.12
2MKS_0146.LAB	11/27/2018	11:32	18.14
2MKS_0147.LAB	11/27/2018	11:32	18.22
2MKS_0148.LAB	11/27/2018	11:33	18.21
2MKS_0149.LAB	11/27/2018	11:33	18.21
2MKS_0150.LAB	11/27/2018	11:33	18.14
2MKS_0151.LAB	11/27/2018	11:33	18.20
2MKS_0152.LAB	11/27/2018	11:34	18.25
2MKS_0153.LAB	11/27/2018	11:34	18.25
2MKS_0154.LAB	11/27/2018	11:34	18.25
2MKS_0155.LAB	11/27/2018	11:34	18.24
2MKS_0156.LAB	11/27/2018	11:35	18.18
2MKS_0157.LAB	11/27/2018	11:35	18.18
2MKS_0158.LAB	11/27/2018	11:35	18.20
2MKS_0981.LAB	11/27/2018	15:07	18.04
2MKS_0982.LAB	11/27/2018	15:07	18.18
2MKS_0983.LAB	11/27/2018	15:07	18.21
2MKS_0984.LAB	11/27/2018	15:08	18.28
2MKS_0985.LAB	11/27/2018	15:08	18.21
2MKS_0986.LAB	11/27/2018	15:08	18.23
2MKS_0987.LAB	11/27/2018	15:08	18.16
2MKS_0988.LAB	11/27/2018	15:09	18.16
2MKS_0989.LAB	11/27/2018	15:09	18.24
2MKS_0990.LAB	11/27/2018	15:09	18.19
2MKS_0991.LAB	11/27/2018	15:09	18.33
2MKS_0992.LAB	11/27/2018	15:10	18.31

Spectrum(CTO Exhaust)	Date	Time	ETHYLENE 35C
7MKS_0019.LAB	11/27/2018	10:51	17.94
7MKS_0020.LAB	11/27/2018	10:52	19.62
7MKS_0021.LAB	11/27/2018	10:53	19.72
7MKS_0022.LAB	11/27/2018	10:53	19.63
7MKS_0023.LAB	11/27/2018	10:54	19.64
7MKS_0642.LAB	11/27/2018	15:20	11.76
7MKS_0643.LAB	11/27/2018	15:20	16.46
7MKS_0644.LAB	11/27/2018	15:20	16.55
7MKS_0645.LAB	11/27/2018	15:20	16.39
7MKS_0646.LAB	11/27/2018	15:21	16.4
7MKS_0647.LAB	11/27/2018	15:21	16.36
7MKS_0648.LAB	11/27/2018	15:21	16.4
7MKS_0649.LAB	11/27/2018	15:21	16.33
7MKS_0650.LAB	11/27/2018	15:22	16.37
7MKS_0651.LAB	11/27/2018	15:22	16.3
7MKS_0652.LAB	11/27/2018	15:22	16.34
7MKS_0653.LAB	11/27/2018	15:22	16.29
7MKS_0654.LAB	11/27/2018	15:23	16.43
7MKS_0655.LAB	11/27/2018	15:23	16.8
7MKS_0656.LAB	11/27/2018	15:23	19.53
7MKS_0657.LAB	11/27/2018	15:23	19.64
7MKS_0658.LAB	11/27/2018	15:24	19.77
7MKS_0659.LAB	11/27/2018	15:24	19.76

7.3 Calibration Gas Specifications

Oxygen Service Company, Inc.

"An Employee Owned Company"
1111 PIERCE BUTLER RTE
ST. PAUL, MN 55104
(651)644-7273
FAX(651)644-2973

Certificate of Analysis

12593-55176

Product ID : 463

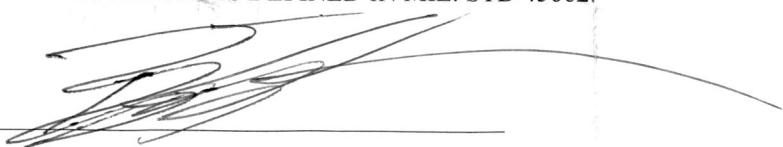
PURCHASE ORDER : 15-146TK
CYLINDER # CC195972

COMPONENT	CAS NUMBER	REQUESTED CONCENTRATION	ACTUAL CONCENTRATION	UOM	ACCURACY +/-
ETHYLENE	74-85-1	Mole 20	Mole 21.5	ppm	1%
NITROGEN	7727-37-9	Balance	Balance	%	

METHOD OF ANALYSIS : GAS CHROMATOGRAPHY/GRAVIMETRIC
CYLINDER PRESSURE : 2015 PSIA
CYLINDER CONTENTS : 138 SCF
SHELF LIFE : 36 MONTHS
PRODUCED : 7/17/2015
EXPIRES : 7/17/2018

THIS MIXTURE WAS MADE TO A MINIMUM OF +/-1% ACCURACY USING SCALES THAT HAVE MONTHLY CALIBRATION CHECKS FOR PROCESS CONTROL PURPOSES. SCALES ARE CALIBRATED TWICE A YEAR BY "ALLOMETRICS" WITH N.I.S.T. TRACEABLE WEIGHT SET 1610. NIST TRACEABLE TEST 799220-1. THIS CALIBRATION PROCEDURE IS DEFINED IN MIL. STD 45662.

ANALYST



7.4 TVA and FTIR Results

Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0158.LAB	11/27/2018	11:35	18.20	13.94		
2MKS_0159.LAB	11/27/2018	11:35	18.18	13.04		
2MKS_0160.LAB	11/27/2018	11:36	16.14	13.25		
2MKS_0161.LAB	11/27/2018	11:36	11.05	12.94		
2MKS_0162.LAB	11/27/2018	11:36	7.96	10.83		
2MKS_0163.LAB	11/27/2018	11:36	6.62	8.55		
2MKS_0164.LAB	11/27/2018	11:37	2.97	7.83		
2MKS_0165.LAB	11/27/2018	11:37	0.15	9.98		
2MKS_0166.LAB	11/27/2018	11:37	0.62	10.29		
2MKS_0167.LAB	11/27/2018	11:37	0.59	10.61		
2MKS_0168.LAB	11/27/2018	11:38	0.57	11.18		
2MKS_0169.LAB	11/27/2018	11:38	0.57	10.38		
2MKS_0170.LAB	11/27/2018	11:38	0.57	11.21		
2MKS_0171.LAB	11/27/2018	11:38	0.90	10.34		
2MKS_0172.LAB	11/27/2018	11:39	1.04	10.11		
2MKS_0173.LAB	11/27/2018	11:39	1.30	10.43		
2MKS_0174.LAB	11/27/2018	11:39	1.51	10.29		
2MKS_0175.LAB	11/27/2018	11:39	1.48	10.70		
2MKS_0176.LAB	11/27/2018	11:40	1.54	10.22		
2MKS_0177.LAB	11/27/2018	11:40	1.51	9.62		
2MKS_0178.LAB	11/27/2018	11:40	1.99	10.62		
2MKS_0179.LAB	11/27/2018	11:40	2.22	10.26		
2MKS_0180.LAB	11/27/2018	11:41	2.20	10.24		
2MKS_0181.LAB	11/27/2018	11:41	2.20	10.56		
2MKS_0182.LAB	11/27/2018	11:41	2.20	10.38		
2MKS_0183.LAB	11/27/2018	11:41	2.66	10.42		
2MKS_0184.LAB	11/27/2018	11:42	2.96	10.39		
2MKS_0185.LAB	11/27/2018	11:42	3.00	10.51		
2MKS_0186.LAB	11/27/2018	11:42	2.95	10.18		
2MKS_0187.LAB	11/27/2018	11:43	2.91	10.76		
2MKS_0188.LAB	11/27/2018	11:43	2.93	10.61		
2MKS_0189.LAB	11/27/2018	11:43	3.20	10.83		
2MKS_0190.LAB	11/27/2018	11:43	4.71	11.54		
2MKS_0191.LAB	11/27/2018	11:44	4.97	10.85		
2MKS_0192.LAB	11/27/2018	11:44	4.22	12.28		
2MKS_0193.LAB	11/27/2018	11:44	0.27	11.22		
2MKS_0194.LAB	11/27/2018	11:44	0.00	11.71		
2MKS_0195.LAB	11/27/2018	11:45	0.01	11.54		
2MKS_0196BKG.LAB	11/27/2018	11:47	0.00	0.00		
2MKS_0197.LAB	11/27/2018	11:47	0.01	0.34		
2MKS_0198.LAB	11/27/2018	11:47	0.00	0.03		
2MKS_0199.LAB	11/27/2018	11:48	0.00	0.06		
2MKS_0200.LAB	11/27/2018	11:48	0.01	0.18		
2MKS_0201.LAB	11/27/2018	11:48	0.66	-0.16		
2MKS_0202.LAB	11/27/2018	11:48	4.74	-0.39		
2MKS_0203.LAB	11/27/2018	11:49	4.97	-0.49		
2MKS_0204.LAB	11/27/2018	11:49	4.99	-0.84		
2MKS_0205.LAB	11/27/2018	11:49	4.99	-1.89		
2MKS_0206.LAB	11/27/2018	11:49	5.00	-0.68		
2MKS_0207.LAB	11/27/2018	11:50	6.48	-1.01		
2MKS_0208.LAB	11/27/2018	11:50	6.86	-0.77		
2MKS_0209.LAB	11/27/2018	11:50	6.87	0.00		
2MKS_0210.LAB	11/27/2018	11:50	6.86	0.05		
2MKS_0211.LAB	11/27/2018	11:51	6.86	-0.50		
2MKS_0212.LAB	11/27/2018	11:51	6.88	-0.09		
2MKS_0213.LAB	11/27/2018	11:51	8.05	-0.54		
2MKS_0214.LAB	11/27/2018	11:51	8.62	-0.04		
2MKS_0215.LAB	11/27/2018	11:52	8.66	0.29		
2MKS_0216.LAB	11/27/2018	11:52	8.64	0.64		
2MKS_0217.LAB	11/27/2018	11:52	8.61	0.47		
2MKS_0218.LAB	11/27/2018	11:52	8.60	0.86		
2MKS_0219.LAB	11/27/2018	11:53	8.96	0.78		
2MKS_0220.LAB	11/27/2018	11:53	9.84	0.86		
2MKS_0221.LAB	11/27/2018	11:53	9.88	1.08	2.19	2
2MKS_0222.LAB	11/27/2018	11:53	10.52	0.15	2.37	0
2MKS_0223.LAB	11/27/2018	11:54	11.56	0.50	2.74	1
2MKS_0224.LAB	11/27/2018	11:54	11.59	1.16	2.75	3
2MKS_0225.LAB	11/27/2018	11:54	11.60	0.23	2.76	1
2MKS_0226.LAB	11/27/2018	11:54	11.59	0.58	2.75	2
2MKS_0227.LAB	11/27/2018	11:55	11.56	0.49	2.74	1
2MKS_0228.LAB	11/27/2018	11:55	11.59	1.34	2.75	4

Spectrum (CTO Inlet)	Date	Time	<u>ETHYLENE 35C</u>	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0229.LAB	11/27/2018	11:55	11.59	0.52	2.76	1
2MKS_0230.LAB	11/27/2018	11:55	11.59	0.87	2.76	2
2MKS_0231.LAB	11/27/2018	11:56	11.59	0.82	2.75	2
2MKS_0232.LAB	11/27/2018	11:56	11.55	0.86	2.74	2
2MKS_0233.LAB	11/27/2018	11:56	11.58	0.42	2.75	1
2MKS_0234.LAB	11/27/2018	11:56	11.58	1.16	2.75	3
2MKS_0235.LAB	11/27/2018	11:57	11.58	0.45	2.75	1
2MKS_0236.LAB	11/27/2018	11:57	11.56	0.43	2.74	1
2MKS_0237.LAB	11/27/2018	11:57	11.58	0.84	2.75	2
2MKS_0238.LAB	11/27/2018	11:57	11.54	0.71	2.73	2
2MKS_0239.LAB	11/27/2018	11:58	11.61	0.29	2.76	1
2MKS_0240.LAB	11/27/2018	11:58	11.57	1.35	2.74	4
2MKS_0241.LAB	11/27/2018	11:58	11.56	0.43	2.74	1
2MKS_0242.LAB	11/27/2018	11:58	11.55	0.54	2.74	1
2MKS_0243.LAB	11/27/2018	11:59	11.54	1.00	2.73	3
2MKS_0244.LAB	11/27/2018	11:59	11.58	1.10	2.75	3
2MKS_0245.LAB	11/27/2018	11:59	11.59	1.00	2.76	3
2MKS_0246.LAB	11/27/2018	11:59	11.56	0.41	2.74	1
2MKS_0247.LAB	11/27/2018	12:00	11.55	1.18	2.74	3
2MKS_0248.LAB	11/27/2018	12:00	11.55	0.90	2.74	2
2MKS_0249.LAB	11/27/2018	12:00	11.53	0.38	2.73	1
2MKS_0250.LAB	11/27/2018	12:00	11.56	1.30	2.74	4
2MKS_0251.LAB	11/27/2018	12:01	11.55	0.75	2.74	2
2MKS_0252.LAB	11/27/2018	12:01	11.57	1.06	2.75	3
2MKS_0253.LAB	11/27/2018	12:01	11.59	1.21	2.75	3
2MKS_0254.LAB	11/27/2018	12:01	11.55	0.96	2.74	3
2MKS_0255.LAB	11/27/2018	12:02	11.54	1.18	2.73	3
2MKS_0256.LAB	11/27/2018	12:02	11.56	1.07	2.74	3
2MKS_0257.LAB	11/27/2018	12:02	11.55	0.45	2.74	1
2MKS_0258.LAB	11/27/2018	12:02	11.53	0.85	2.73	2
2MKS_0259.LAB	11/27/2018	12:03	11.53	0.95	2.73	3
2MKS_0260.LAB	11/27/2018	12:03	11.57	1.54	2.74	4
2MKS_0261.LAB	11/27/2018	12:03	11.54	0.34	2.73	1
2MKS_0262.LAB	11/27/2018	12:03	11.54	0.33	2.73	1
2MKS_0263.LAB	11/27/2018	12:04	11.55	0.40	2.74	1
2MKS_0264.LAB	11/27/2018	12:04	11.55	0.67	2.74	2
2MKS_0265.LAB	11/27/2018	12:04	11.54	1.26	2.73	3
2MKS_0266.LAB	11/27/2018	12:04	11.55	0.87	2.74	2
2MKS_0267.LAB	11/27/2018	12:05	11.53	0.42	2.73	1
2MKS_0268.LAB	11/27/2018	12:05	11.54	0.94	2.73	3
2MKS_0269.LAB	11/27/2018	12:05	11.56	0.35	2.74	1
2MKS_0270.LAB	11/27/2018	12:05	11.55	0.82	2.74	2
2MKS_0271.LAB	11/27/2018	12:06	11.56	1.25	2.74	3
2MKS_0272.LAB	11/27/2018	12:06	11.57	0.59	2.75	2
2MKS_0273.LAB	11/27/2018	12:06	11.54	1.01	2.73	3
2MKS_0274.LAB	11/27/2018	12:06	11.54	0.97	2.73	3
2MKS_0275.LAB	11/27/2018	12:07	11.52	1.41	2.73	4
2MKS_0276.LAB	11/27/2018	12:07	11.55	0.69	2.74	2
2MKS_0277.LAB	11/27/2018	12:07	11.53	1.31	2.73	4
2MKS_0278.LAB	11/27/2018	12:07	11.53	0.73	2.73	2
2MKS_0279.LAB	11/27/2018	12:08	11.56	0.89	2.74	2
2MKS_0280.LAB	11/27/2018	12:08	11.55	1.31	2.74	4
2MKS_0281.LAB	11/27/2018	12:08	11.56	1.19	2.74	3
2MKS_0282.LAB	11/27/2018	12:08	11.50	0.61	2.72	2
2MKS_0283.LAB	11/27/2018	12:09	11.55	1.46	2.74	4
2MKS_0284.LAB	11/27/2018	12:09	11.55	1.06	2.74	3
2MKS_0285.LAB	11/27/2018	12:09	11.55	0.53	2.74	1
2MKS_0286.LAB	11/27/2018	12:09	11.56	1.01	2.74	3
2MKS_0287.LAB	11/27/2018	12:10	11.55	1.32	2.74	4
2MKS_0288.LAB	11/27/2018	12:10	11.55	0.18	2.74	0
2MKS_0289.LAB	11/27/2018	12:10	11.53	0.46	2.73	1
2MKS_0290.LAB	11/27/2018	12:10	11.55	0.84	2.74	2
2MKS_0291.LAB	11/27/2018	12:11	11.50	0.97	2.72	3
2MKS_0292.LAB	11/27/2018	12:11	11.53	0.68	2.73	2
2MKS_0293.LAB	11/27/2018	12:11	11.55	1.17	2.74	3
2MKS_0294.LAB	11/27/2018	12:11	11.54	0.61	2.73	2
2MKS_0295.LAB	11/27/2018	12:12	11.54	1.49	2.74	4
2MKS_0296.LAB	11/27/2018	12:12	11.54	1.08	2.73	3
2MKS_0297.LAB	11/27/2018	12:12	11.56	0.71	2.74	2
2MKS_0298.LAB	11/27/2018	12:12	11.55	0.92	2.74	3
2MKS_0299.LAB	11/27/2018	12:13	11.54	1.47	2.73	4

Spectrum (CTO Inlet)	Date	Time	<u>ETHYLENE 35C</u>	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0300.LAB	11/27/2018	12:13	11.54	1.09	2.73	3
2MKS_0301.LAB	11/27/2018	12:13	11.49	1.05	2.71	3
2MKS_0302.LAB	11/27/2018	12:13	11.53	1.20	2.73	3
2MKS_0303.LAB	11/27/2018	12:14	11.52	1.02	2.72	3
2MKS_0304.LAB	11/27/2018	12:14	11.54	1.50	2.73	4
2MKS_0305.LAB	11/27/2018	12:14	11.53	0.89	2.73	2
2MKS_0306.LAB	11/27/2018	12:14	11.55	0.48	2.74	1
2MKS_0307.LAB	11/27/2018	12:15	11.54	0.94	2.73	3
2MKS_0308.LAB	11/27/2018	12:15	11.53	1.69	2.73	5
2MKS_0309.LAB	11/27/2018	12:15	11.55	1.22	2.74	3
2MKS_0310.LAB	11/27/2018	12:15	11.54	0.45	2.73	1
2MKS_0311.LAB	11/27/2018	12:16	11.52	1.17	2.72	3
2MKS_0312.LAB	11/27/2018	12:16	11.55	1.14	2.74	3
2MKS_0313.LAB	11/27/2018	12:16	11.54	0.75	2.73	2
2MKS_0314.LAB	11/27/2018	12:16	11.52	1.03	2.73	3
2MKS_0315.LAB	11/27/2018	12:17	11.55	0.02	2.74	0
2MKS_0316.LAB	11/27/2018	12:17	11.51	1.36	2.72	4
2MKS_0317.LAB	11/27/2018	12:17	11.56	0.57	2.74	2
2MKS_0318.LAB	11/27/2018	12:17	11.53	1.13	2.73	3
2MKS_0319.LAB	11/27/2018	12:18	11.53	1.03	2.73	3
2MKS_0320.LAB	11/27/2018	12:18	11.55	1.53	2.74	4
2MKS_0321.LAB	11/27/2018	12:18	11.54	1.34	2.73	4
2MKS_0322.LAB	11/27/2018	12:18	11.54	1.00	2.73	3
2MKS_0323.LAB	11/27/2018	12:19	11.49	1.47	2.71	4
2MKS_0324.LAB	11/27/2018	12:19	11.51	0.70	2.72	2
2MKS_0325.LAB	11/27/2018	12:19	11.55	0.73	2.74	2
2MKS_0326.LAB	11/27/2018	12:19	11.53	0.76	2.73	2
2MKS_0327.LAB	11/27/2018	12:20	11.53	-0.12	2.73	0
2MKS_0328.LAB	11/27/2018	12:20	11.55	0.16	2.74	0
2MKS_0329.LAB	11/27/2018	12:20	11.53	1.13	2.73	3
2MKS_0330.LAB	11/27/2018	12:20	11.53	0.67	2.73	2
2MKS_0331.LAB	11/27/2018	12:21	11.53	0.85	2.73	2
2MKS_0332.LAB	11/27/2018	12:21	11.51	0.50	2.72	1
2MKS_0333.LAB	11/27/2018	12:21	11.51	0.93	2.72	3
2MKS_0334.LAB	11/27/2018	12:21	11.53	0.45	2.73	1
2MKS_0335.LAB	11/27/2018	12:22	11.51	0.90	2.72	2
2MKS_0336.LAB	11/27/2018	12:22	11.53	0.87	2.73	2
2MKS_0337.LAB	11/27/2018	12:22	11.51	1.31	2.72	4
2MKS_0338.LAB	11/27/2018	12:22	11.52	0.51	2.73	1
2MKS_0339.LAB	11/27/2018	12:23	11.54	1.00	2.73	3
2MKS_0340.LAB	11/27/2018	12:23	11.53	1.54	2.73	4
2MKS_0341.LAB	11/27/2018	12:23	11.51	1.54	2.72	4
2MKS_0342.LAB	11/27/2018	12:23	11.52	1.04	2.72	3
2MKS_0343.LAB	11/27/2018	12:24	11.52	0.98	2.72	3
2MKS_0344.LAB	11/27/2018	12:24	11.54	0.97	2.73	3
2MKS_0345.LAB	11/27/2018	12:24	11.54	0.67	2.73	2
2MKS_0346.LAB	11/27/2018	12:24	11.54	1.27	2.73	3
2MKS_0347.LAB	11/27/2018	12:25	11.51	1.00	2.72	3
2MKS_0348.LAB	11/27/2018	12:25	11.52	0.64	2.73	2
2MKS_0349.LAB	11/27/2018	12:25	11.53	0.76	2.73	2
2MKS_0350.LAB	11/27/2018	12:25	11.55	1.51	2.74	4
2MKS_0351.LAB	11/27/2018	12:26	11.51	0.95	2.72	3
2MKS_0352.LAB	11/27/2018	12:26	11.54	1.10	2.73	3
2MKS_0353.LAB	11/27/2018	12:26	11.53	1.37	2.73	4
2MKS_0354.LAB	11/27/2018	12:26	11.54	1.06	2.73	3
2MKS_0355.LAB	11/27/2018	12:27	11.54	0.86	2.73	2
2MKS_0356.LAB	11/27/2018	12:27	11.52	1.71	2.72	5
2MKS_0357.LAB	11/27/2018	12:27	11.52	1.17	2.72	3
2MKS_0358.LAB	11/27/2018	12:27	11.51	0.79	2.72	2
2MKS_0359.LAB	11/27/2018	12:28	11.53	0.90	2.73	2
2MKS_0360.LAB	11/27/2018	12:28	11.55	0.34	2.74	1
2MKS_0361.LAB	11/27/2018	12:28	11.52	1.18	2.72	3
2MKS_0362.LAB	11/27/2018	12:28	11.55	1.00	2.74	3
2MKS_0363.LAB	11/27/2018	12:29	11.52	0.86	2.73	2
2MKS_0364.LAB	11/27/2018	12:29	11.53	1.86	2.73	5
2MKS_0365.LAB	11/27/2018	12:29	11.47	1.07	2.70	3
2MKS_0366.LAB	11/27/2018	12:29	11.53	0.64	2.73	2
2MKS_0367.LAB	11/27/2018	12:30	11.51	0.82	2.72	2
2MKS_0368.LAB	11/27/2018	12:30	11.52	1.02	2.72	3
2MKS_0369.LAB	11/27/2018	12:30	11.51	0.95	2.72	3
2MKS_0370.LAB	11/27/2018	12:30	11.53	1.35	2.73	4

Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0371.LAB	11/27/2018	12:31	11.53	0.62	2.73	2
2MKS_0372.LAB	11/27/2018	12:31	11.49	1.17	2.71	3
2MKS_0373.LAB	11/27/2018	12:31	11.51	0.83	2.72	2
2MKS_0374.LAB	11/27/2018	12:31	11.55	1.25	2.74	3
2MKS_0375.LAB	11/27/2018	12:32	11.51	0.36	2.72	1
2MKS_0376.LAB	11/27/2018	12:32	11.53	0.20	2.73	1
2MKS_0377.LAB	11/27/2018	12:32	11.50	0.90	2.71	2
2MKS_0378.LAB	11/27/2018	12:32	11.49	1.98	2.71	5
2MKS_0379.LAB	11/27/2018	12:33	11.48	0.92	2.71	2
2MKS_0380.LAB	11/27/2018	12:33	11.52	0.79	2.72	2
2MKS_0381.LAB	11/27/2018	12:33	11.49	0.96	2.71	3
2MKS_0382.LAB	11/27/2018	12:33	11.52	1.18	2.72	3
2MKS_0383.LAB	11/27/2018	12:34	11.51	0.90	2.72	2
2MKS_0384.LAB	11/27/2018	12:34	11.53	0.72	2.73	2
2MKS_0385.LAB	11/27/2018	12:34	11.50	1.24	2.72	3
2MKS_0386.LAB	11/27/2018	12:34	11.51	0.70	2.72	2
2MKS_0387.LAB	11/27/2018	12:35	11.51	1.31	2.72	4
2MKS_0388.LAB	11/27/2018	12:35	11.54	0.17	2.73	0
2MKS_0389.LAB	11/27/2018	12:35	11.52	1.33	2.72	4
2MKS_0390.LAB	11/27/2018	12:35	11.52	0.21	2.72	1
2MKS_0391.LAB	11/27/2018	12:36	11.50	1.14	2.72	3
2MKS_0392.LAB	11/27/2018	12:36	11.50	0.88	2.72	2
2MKS_0393.LAB	11/27/2018	12:36	11.49	1.50	2.71	4
2MKS_0394.LAB	11/27/2018	12:36	11.48	1.53	2.71	4
2MKS_0395.LAB	11/27/2018	12:37	11.55	0.81	2.74	2
2MKS_0396.LAB	11/27/2018	12:37	11.51	1.25	2.72	3
2MKS_0397.LAB	11/27/2018	12:37	11.51	1.28	2.72	3
2MKS_0398.LAB	11/27/2018	12:37	11.47	1.19	2.70	3
2MKS_0399.LAB	11/27/2018	12:38	11.49	0.35	2.71	1
2MKS_0400.LAB	11/27/2018	12:38	11.48	0.99	2.71	3
2MKS_0401.LAB	11/27/2018	12:38	11.50	1.00	2.71	3
2MKS_0402.LAB	11/27/2018	12:38	11.51	0.71	2.72	2
2MKS_0403.LAB	11/27/2018	12:39	11.52	0.44	2.72	1
2MKS_0404.LAB	11/27/2018	12:39	11.48	1.07	2.71	3
2MKS_0405.LAB	11/27/2018	12:39	11.47	1.24	2.71	3
2MKS_0406.LAB	11/27/2018	12:39	11.49	1.54	2.71	4
2MKS_0407.LAB	11/27/2018	12:40	11.50	1.64	2.72	4
2MKS_0408.LAB	11/27/2018	12:40	11.47	0.86	2.71	2
2MKS_0409.LAB	11/27/2018	12:40	11.45	0.99	2.70	3
2MKS_0410.LAB	11/27/2018	12:40	11.50	1.25	2.72	3
2MKS_0411.LAB	11/27/2018	12:41	11.50	0.38	2.72	1
2MKS_0412.LAB	11/27/2018	12:41	11.49	1.61	2.71	4
2MKS_0413.LAB	11/27/2018	12:41	11.49	1.14	2.71	3
2MKS_0414.LAB	11/27/2018	12:41	11.51	1.03	2.72	3
2MKS_0415.LAB	11/27/2018	12:42	11.47	1.05	2.71	3
2MKS_0416.LAB	11/27/2018	12:42	11.48	1.01	2.71	3
2MKS_0417.LAB	11/27/2018	12:42	11.49	0.99	2.71	3
2MKS_0418.LAB	11/27/2018	12:42	11.48	1.53	2.71	4
2MKS_0419.LAB	11/27/2018	12:43	11.51	1.46	2.72	4
2MKS_0420.LAB	11/27/2018	12:43	11.53	0.69	2.73	2
2MKS_0421.LAB	11/27/2018	12:43	11.48	1.13	2.71	3
2MKS_0422.LAB	11/27/2018	12:43	11.50	0.79	2.72	2
2MKS_0423.LAB	11/27/2018	12:44	11.50	0.77	2.72	2
2MKS_0424.LAB	11/27/2018	12:44	11.47	0.98	2.71	3
2MKS_0425.LAB	11/27/2018	12:44	11.49	1.20	2.71	3
2MKS_0426.LAB	11/27/2018	12:44	11.49	1.19	2.71	3
2MKS_0427.LAB	11/27/2018	12:45	11.49	0.90	2.71	2
2MKS_0428.LAB	11/27/2018	12:45	11.52	1.43	2.72	4
2MKS_0429.LAB	11/27/2018	12:45	11.50	0.95	2.72	3
2MKS_0430.LAB	11/27/2018	12:45	11.46	1.12	2.70	3
2MKS_0431.LAB	11/27/2018	12:46	11.48	2.04	2.71	6
2MKS_0432.LAB	11/27/2018	12:46	11.47	0.87	2.70	2
2MKS_0433.LAB	11/27/2018	12:46	11.47	1.59	2.70	4
2MKS_0434.LAB	11/27/2018	12:46	11.48	0.98	2.71	3
2MKS_0435.LAB	11/27/2018	12:47	11.50	0.36	2.72	1
2MKS_0436.LAB	11/27/2018	12:47	11.52	0.87	2.73	2
2MKS_0437.LAB	11/27/2018	12:47	11.47	1.02	2.70	3
2MKS_0438.LAB	11/27/2018	12:47	11.48	1.56	2.71	4
2MKS_0439.LAB	11/27/2018	12:48	11.45	1.42	2.70	4
2MKS_0440.LAB	11/27/2018	12:48	11.47	0.66	2.70	2
2MKS_0441.LAB	11/27/2018	12:48	11.52	1.20	2.72	3

Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0442.LAB	11/27/2018	12:48	11.49	1.57	2.71	4
2MKS_0443.LAB	11/27/2018	12:49	11.50	0.49	2.72	1
2MKS_0444.LAB	11/27/2018	12:49	11.48	1.24	2.71	3
2MKS_0445.LAB	11/27/2018	12:49	11.46	0.53	2.70	1
2MKS_0446.LAB	11/27/2018	12:49	11.46	1.63	2.70	4
2MKS_0447.LAB	11/27/2018	12:50	11.48	0.56	2.71	2
2MKS_0448.LAB	11/27/2018	12:50	11.45	0.52	2.70	1
2MKS_0449.LAB	11/27/2018	12:50	11.48	1.62	2.71	4
2MKS_0450.LAB	11/27/2018	12:50	11.47	0.98	2.70	3
2MKS_0451.LAB	11/27/2018	12:51	11.49	1.24	2.71	3
2MKS_0452.LAB	11/27/2018	12:51	11.46	0.95	2.70	3
2MKS_0453.LAB	11/27/2018	12:51	11.48	1.16	2.71	3
2MKS_0454.LAB	11/27/2018	12:51	11.47	0.57	2.71	2
2MKS_0455.LAB	11/27/2018	12:52	11.47	1.54	2.71	4
2MKS_0456.LAB	11/27/2018	12:52	11.49	1.93	2.71	5
2MKS_0457.LAB	11/27/2018	12:52	11.49	0.98	2.71	3
2MKS_0458.LAB	11/27/2018	12:52	11.45	1.58	2.70	4
2MKS_0459.LAB	11/27/2018	12:53	11.49	0.98	2.71	3
2MKS_0460.LAB	11/27/2018	12:53	11.48	1.49	2.71	4
2MKS_0461.LAB	11/27/2018	12:53	11.49	1.14	2.71	3
2MKS_0462.LAB	11/27/2018	12:53	11.47	1.14	2.70	3
2MKS_0463.LAB	11/27/2018	12:54	11.46	1.44	2.70	4
2MKS_0464.LAB	11/27/2018	12:54	11.48	0.93	2.71	3
2MKS_0465.LAB	11/27/2018	12:54	11.47	1.28	2.71	3
2MKS_0466.LAB	11/27/2018	12:54	11.48	0.63	2.71	2
2MKS_0467.LAB	11/27/2018	12:55	11.48	1.70	2.71	5
2MKS_0468.LAB	11/27/2018	12:55	11.48	0.63	2.71	2
2MKS_0469.LAB	11/27/2018	12:55	11.47	1.65	2.71	4
2MKS_0470.LAB	11/27/2018	12:55	11.51	0.67	2.72	2
2MKS_0471.LAB	11/27/2018	12:56	11.45	1.78	2.70	5
2MKS_0472.LAB	11/27/2018	12:56	11.45	1.10	2.70	3
2MKS_0473.LAB	11/27/2018	12:56	11.46	0.51	2.70	1
2MKS_0474.LAB	11/27/2018	12:56	11.44	0.82	2.69	2
2MKS_0475.LAB	11/27/2018	12:57	11.47	1.27	2.70	3
2MKS_0476.LAB	11/27/2018	12:57	11.47	1.19	2.70	3
2MKS_0477.LAB	11/27/2018	12:57	11.47	1.10	2.70	3
2MKS_0478.LAB	11/27/2018	12:57	11.50	1.37	2.71	4
2MKS_0479.LAB	11/27/2018	12:58	11.47	1.02	2.71	3
2MKS_0480.LAB	11/27/2018	12:58	11.52	0.55	2.72	1
2MKS_0481.LAB	11/27/2018	12:58	11.48	1.40	2.71	4
2MKS_0482.LAB	11/27/2018	12:58	11.50	1.52	2.72	4
2MKS_0483.LAB	11/27/2018	12:59	11.47	0.78	2.70	2
2MKS_0484.LAB	11/27/2018	12:59	11.47	1.08	2.71	3
2MKS_0485.LAB	11/27/2018	12:59	11.49	1.41	2.71	4
2MKS_0486.LAB	11/27/2018	12:59	11.47	0.58	2.70	2
2MKS_0487.LAB	11/27/2018	13:00	11.50	1.36	2.71	4
2MKS_0488.LAB	11/27/2018	13:00	11.43	1.36	2.69	4
2MKS_0489.LAB	11/27/2018	13:00	11.51	0.73	2.72	2
2MKS_0490.LAB	11/27/2018	13:00	11.44	1.02	2.69	3
2MKS_0491.LAB	11/27/2018	13:01	11.47	1.70	2.70	5
2MKS_0492.LAB	11/27/2018	13:01	11.47	1.03	2.71	3
2MKS_0493.LAB	11/27/2018	13:01	11.45	0.83	2.69	2
2MKS_0494.LAB	11/27/2018	13:01	11.48	1.18	2.71	3
2MKS_0495.LAB	11/27/2018	13:02	11.46	1.42	2.70	4
2MKS_0496.LAB	11/27/2018	13:02	11.48	0.80	2.71	2
2MKS_0497.LAB	11/27/2018	13:02	11.46	1.41	2.70	4
2MKS_0498.LAB	11/27/2018	13:02	11.45	1.47	2.70	4
2MKS_0499.LAB	11/27/2018	13:03	11.45	1.45	2.70	4
2MKS_0500.LAB	11/27/2018	13:03	11.49	1.10	2.71	3
2MKS_0501.LAB	11/27/2018	13:03	11.48	1.36	2.71	4
2MKS_0502.LAB	11/27/2018	13:03	11.47	1.45	2.70	4
2MKS_0503.LAB	11/27/2018	13:04	11.42	1.09	2.69	3
2MKS_0504.LAB	11/27/2018	13:04	11.43	1.18	2.69	3
2MKS_0505.LAB	11/27/2018	13:04	11.46	1.05	2.70	3
2MKS_0506.LAB	11/27/2018	13:04	11.46	1.14	2.70	3
2MKS_0507.LAB	11/27/2018	13:05	11.46	1.42	2.70	4
2MKS_0508.LAB	11/27/2018	13:05	11.44	0.85	2.69	2
2MKS_0509.LAB	11/27/2018	13:05	11.48	1.18	2.71	3
2MKS_0510.LAB	11/27/2018	13:05	11.47	1.51	2.70	4
2MKS_0511.LAB	11/27/2018	13:06	11.46	0.35	2.70	1
2MKS_0512.LAB	11/27/2018	13:06	11.46	1.76	2.70	5

Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0513.LAB	11/27/2018	13:06	11.42	0.51	2.69	1
2MKS_0514.LAB	11/27/2018	13:06	11.46	0.87	2.70	2
2MKS_0515.LAB	11/27/2018	13:07	11.41	0.79	2.68	2
2MKS_0516.LAB	11/27/2018	13:07	11.46	1.64	2.70	4
2MKS_0517.LAB	11/27/2018	13:07	11.47	0.84	2.70	2
2MKS_0518.LAB	11/27/2018	13:08	11.47	0.75	2.70	2
2MKS_0519.LAB	11/27/2018	13:08	11.47	1.50	2.70	4
2MKS_0520.LAB	11/27/2018	13:08	11.43	1.25	2.69	3
2MKS_0521.LAB	11/27/2018	13:08	11.47	1.93	2.71	5
2MKS_0522.LAB	11/27/2018	13:08	11.45	0.57	2.70	2
2MKS_0523.LAB	11/27/2018	13:09	11.47	1.20	2.70	3
2MKS_0524.LAB	11/27/2018	13:09	11.44	1.06	2.69	3
2MKS_0525.LAB	11/27/2018	13:09	11.47	0.48	2.70	1
2MKS_0526.LAB	11/27/2018	13:10	11.47	0.89	2.70	2
2MKS_0527.LAB	11/27/2018	13:10	11.64	0.40	2.78	1
2MKS_0528.LAB	11/27/2018	13:10	11.62	1.18	2.76	3
2MKS_0529.LAB	11/27/2018	13:10	11.63	0.69	2.77	2
2MKS_0530.LAB	11/27/2018	13:10	11.63	0.83	2.77	2
2MKS_0531.LAB	11/27/2018	13:11	11.58	0.92	2.75	3
2MKS_0532.LAB	11/27/2018	13:11	11.57	1.07	2.74	3
2MKS_0533.LAB	11/27/2018	13:11	11.56	1.30	2.74	4
2MKS_0534.LAB	11/27/2018	13:11	11.58	1.15	2.75	3
2MKS_0535.LAB	11/27/2018	13:12	11.58	0.65	2.75	2
2MKS_0536.LAB	11/27/2018	13:12	11.61	1.13	2.76	3
2MKS_0537.LAB	11/27/2018	13:12	11.63	0.95	2.77	3
2MKS_0538.LAB	11/27/2018	13:13	11.63	1.30	2.77	4
2MKS_0539.LAB	11/27/2018	13:13	11.63	4.23	2.77	12
2MKS_0540.LAB	11/27/2018	13:13	11.68	71.31	2.79	199
2MKS_0541.LAB	11/27/2018	13:13	11.64	46.42	2.77	129
2MKS_0542.LAB	11/27/2018	13:13	11.67	75.54	2.79	211
2MKS_0543.LAB	11/27/2018	13:14	11.67	121.22	2.79	338
2MKS_0544.LAB	11/27/2018	13:14	11.67	123.52	2.79	344
2MKS_0545.LAB	11/27/2018	13:14	11.64	109.08	2.78	303
2MKS_0546.LAB	11/27/2018	13:15	11.65	77.83	2.78	216
2MKS_0547.LAB	11/27/2018	13:15	11.66	73.43	2.78	204
2MKS_0548.LAB	11/27/2018	13:15	11.64	83.10	2.77	231
2MKS_0549.LAB	11/27/2018	13:15	11.64	91.76	2.77	255
2MKS_0550.LAB	11/27/2018	13:16	11.60	29.65	2.76	82
2MKS_0551.LAB	11/27/2018	13:16	11.65	11.05	2.78	31
2MKS_0552.LAB	11/27/2018	13:16	11.68	6.14	2.79	17
2MKS_0553.LAB	11/27/2018	13:16	11.66	4.43	2.78	12
2MKS_0554.LAB	11/27/2018	13:17	11.64	3.38	2.78	9
2MKS_0555.LAB	11/27/2018	13:17	11.60	2.80	2.76	8
2MKS_0556.LAB	11/27/2018	13:17	11.66	3.34	2.78	9
2MKS_0557.LAB	11/27/2018	13:17	11.61	3.26	2.76	9
2MKS_0558.LAB	11/27/2018	13:18	11.65	1.84	2.78	5
2MKS_0559.LAB	11/27/2018	13:18	11.66	2.32	2.78	6
2MKS_0560.LAB	11/27/2018	13:18	11.59	2.25	2.76	6
2MKS_0561.LAB	11/27/2018	13:18	11.62	1.98	2.76	5
2MKS_0562.LAB	11/27/2018	13:19	11.65	2.10	2.78	6
2MKS_0563.LAB	11/27/2018	13:19	11.61	1.26	2.76	3
2MKS_0564.LAB	11/27/2018	13:19	11.60	1.64	2.76	5
2MKS_0565.LAB	11/27/2018	13:19	11.62	1.68	2.77	5
2MKS_0566.LAB	11/27/2018	13:20	11.64	1.55	2.77	4
2MKS_0567.LAB	11/27/2018	13:20	11.63	2.25	2.77	6
2MKS_0568.LAB	11/27/2018	13:20	4.56	1.25	1.33	2
2MKS_0569.LAB	11/27/2018	13:20	0.10	1.79	1.01	2
2MKS_0570.LAB	11/27/2018	13:21	0.09	1.03	1.01	1
2MKS_0571.LAB	11/27/2018	13:21	0.01	1.61	1.00	2
2MKS_0572.LAB	11/27/2018	13:21	0.04	1.40	1.00	1
2MKS_0573.LAB	11/27/2018	13:21	0.05	0.86	1.00	1
2MKS_0574.LAB	11/27/2018	13:22	0.03	1.16	1.00	1
2MKS_0575.LAB	11/27/2018	13:22	0.04	0.67	1.00	1
2MKS_0576.LAB	11/27/2018	13:22	0.02	1.15	1.00	1
2MKS_0577.LAB	11/27/2018	13:22	0.01	1.21	1.00	1
2MKS_0578.LAB	11/27/2018	13:23	0.01	0.90	1.00	1
2MKS_0579.LAB	11/27/2018	13:23	0.00	0.75	1.00	1
2MKS_0580.LAB	11/27/2018	13:23	0.00	0.86	1.00	1
2MKS_0581.LAB	11/27/2018	13:23	0.04	1.15	1.00	1
2MKS_0582.LAB	11/27/2018	13:24	0.02	0.57	1.00	1
2MKS_0583.LAB	11/27/2018	13:24	-0.01	1.29	1.00	1

Initial
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Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0584.LAB	11/27/2018	13:24	0.04	0.87	1.00	1
2MKS_0585.LAB	11/27/2018	13:24	0.01	1.95	1.00	2
2MKS_0586.LAB	11/27/2018	13:25	0.02	0.85	1.00	1
2MKS_0587.LAB	11/27/2018	13:25	0.01	0.51	1.00	1
2MKS_0588.LAB	11/27/2018	13:25	0.04	1.06	1.00	1
2MKS_0589.LAB	11/27/2018	13:25	0.83	0.00	1.05	0
2MKS_0590.LAB	11/27/2018	13:26	10.71	0.92	2.43	2
2MKS_0591.LAB	11/27/2018	13:26	11.75	0.44	2.82	1
2MKS_0592.LAB	11/27/2018	13:26	11.76	0.49	2.83	1
2MKS_0593.LAB	11/27/2018	13:26	11.68	-0.13	2.79	0
2MKS_0594.LAB	11/27/2018	13:27	11.65	0.61	2.78	2
2MKS_0595.LAB	11/27/2018	13:27	11.72	1.31	2.81	4
2MKS_0596.LAB	11/27/2018	13:27	11.73	0.04	2.81	0
2MKS_0597.LAB	11/27/2018	13:27	11.77	1.83	2.83	5
2MKS_0598.LAB	11/27/2018	13:28	11.68	1.20	2.79	3
2MKS_0599.LAB	11/27/2018	13:28	11.71	1.01	2.80	3
2MKS_0600.LAB	11/27/2018	13:28	11.64	1.26	2.78	4
2MKS_0601.LAB	11/27/2018	13:28	11.67	0.85	2.79	2
2MKS_0602.LAB	11/27/2018	13:29	11.64	1.82	2.78	5
2MKS_0603.LAB	11/27/2018	13:29	11.69	1.21	2.80	3
2MKS_0604.LAB	11/27/2018	13:29	11.74	0.74	2.82	2
2MKS_0605.LAB	11/27/2018	13:29	11.68	0.89	2.79	2
2MKS_0606.LAB	11/27/2018	13:30	11.66	1.30	2.78	4
2MKS_0607.LAB	11/27/2018	13:30	11.69	1.65	2.80	5
2MKS_0608.LAB	11/27/2018	13:30	11.67	1.72	2.79	5
2MKS_0609.LAB	11/27/2018	13:30	11.64	1.28	2.78	4
2MKS_0610.LAB	11/27/2018	13:31	11.67	1.19	2.79	3
2MKS_0611.LAB	11/27/2018	13:31	11.63	0.65	2.77	2
2MKS_0612.LAB	11/27/2018	13:31	11.61	1.12	2.76	3
2MKS_0613.LAB	11/27/2018	13:31	11.65	0.88	2.78	2
2MKS_0614.LAB	11/27/2018	13:32	11.66	1.26	2.78	3
2MKS_0615.LAB	11/27/2018	13:32	11.64	1.26	2.77	3
2MKS_0616.LAB	11/27/2018	13:32	11.67	0.87	2.79	2
2MKS_0617.LAB	11/27/2018	13:32	11.65	0.96	2.78	3
2MKS_0618.LAB	11/27/2018	13:33	11.68	0.67	2.79	2
2MKS_0619.LAB	11/27/2018	13:33	11.61	1.15	2.76	3
2MKS_0620.LAB	11/27/2018	13:33	11.63	1.23	2.77	3
2MKS_0621.LAB	11/27/2018	13:33	11.64	1.67	2.78	5
2MKS_0622.LAB	11/27/2018	13:34	11.63	0.95	2.77	3
2MKS_0623.LAB	11/27/2018	13:34	11.64	1.51	2.78	4
2MKS_0624.LAB	11/27/2018	13:34	11.63	1.40	2.77	4
2MKS_0625.LAB	11/27/2018	13:34	11.62	1.53	2.77	4
2MKS_0626.LAB	11/27/2018	13:35	11.61	1.28	2.76	4
2MKS_0627.LAB	11/27/2018	13:35	11.67	1.91	2.79	5
2MKS_0628.LAB	11/27/2018	13:35	11.64	1.40	2.77	4
2MKS_0629.LAB	11/27/2018	13:35	11.61	1.37	2.76	4
2MKS_0630.LAB	11/27/2018	13:36	11.62	1.42	2.77	4
2MKS_0631.LAB	11/27/2018	13:36	11.62	0.17	2.77	0
2MKS_0632.LAB	11/27/2018	13:36	11.62	1.41	2.77	4
2MKS_0633.LAB	11/27/2018	13:36	11.57	32.96	2.74	90
2MKS_0634.LAB	11/27/2018	13:37	4.94	3115.43	1.37	4,277
2MKS_0635.LAB	11/27/2018	13:37	11.09	14408.81	2.56	36,890
2MKS_0636.LAB	11/27/2018	13:37	11.40	17855.46	2.68	47,792
2MKS_0637.LAB	11/27/2018	13:37	11.22	18807.95	2.61	49,044
2MKS_0638.LAB	11/27/2018	13:38	11.16	19257.58	2.58	49,781
2MKS_0639.LAB	11/27/2018	13:38	11.20	19447.01	2.60	50,543
2MKS_0640.LAB	11/27/2018	13:38	11.01	19436.50	2.53	49,184
2MKS_0641.LAB	11/27/2018	13:38	11.09	19265.10	2.56	49,322
2MKS_0642.LAB	11/27/2018	13:39	11.33	17776.16	2.65	47,081
2MKS_0643.LAB	11/27/2018	13:39	11.43	15430.84	2.69	41,500
2MKS_0644.LAB	11/27/2018	13:39	12.03	12844.98	2.95	37,876
2MKS_0645.LAB	11/27/2018	13:39	12.71	9778.28	3.32	32,434
2MKS_0646.LAB	11/27/2018	13:40	11.47	7396.13	2.71	20,007
2MKS_0647.LAB	11/27/2018	13:40	11.93	5282.63	2.90	15,332
2MKS_0648.LAB	11/27/2018	13:40	12.01	4151.20	2.94	12,202
2MKS_0649.LAB	11/27/2018	13:40	11.16	4172.32	2.58	10,784
2MKS_0650.LAB	11/27/2018	13:41	12.00	2726.61	2.94	8,003
2MKS_0651.LAB	11/27/2018	13:41	11.78	2050.84	2.83	5,811
2MKS_0652.LAB	11/27/2018	13:41	11.58	1451.96	2.75	3,993
2MKS_0653.LAB	11/27/2018	13:41	11.70	2760.52	2.80	7,735
2MKS_0654.LAB	11/27/2018	13:42	11.86	2200.29	2.87	6,315

Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0655.LAB	11/27/2018	13:42	11.51	1263.61	2.72	3,437
2MKS_0656.LAB	11/27/2018	13:42	11.49	1008.78	2.71	2,736
2MKS_0657.LAB	11/27/2018	13:42	11.63	640.83	2.77	1,776
2MKS_0658.LAB	11/27/2018	13:43	11.52	1284.56	2.73	3,501
2MKS_0659.LAB	11/27/2018	13:43	11.49	1069.86	2.71	2,902
2MKS_0660.LAB	11/27/2018	13:43	11.43	842.07	2.69	2,263
2MKS_0661.LAB	11/27/2018	13:43	11.58	332.83	2.75	915
2MKS_0662.LAB	11/27/2018	13:44	11.59	412.28	2.76	1,136
2MKS_0663.LAB	11/27/2018	13:44	11.57	307.82	2.75	846
2MKS_0664.LAB	11/27/2018	13:44	11.59	145.63	2.75	401
2MKS_0665.LAB	11/27/2018	13:44	11.56	107.28	2.74	294
2MKS_0666.LAB	11/27/2018	13:45	11.56	95.49	2.74	262
2MKS_0667.LAB	11/27/2018	13:45	11.56	83.53	2.74	229
2MKS_0668.LAB	11/27/2018	13:45	11.59	73.42	2.75	202
2MKS_0669.LAB	11/27/2018	13:45	11.57	71.08	2.75	195
2MKS_0670.LAB	11/27/2018	13:46	11.54	64.76	2.73	177
2MKS_0671.LAB	11/27/2018	13:46	11.59	61.18	2.75	169
2MKS_0672.LAB	11/27/2018	13:46	11.55	55.04	2.74	151
2MKS_0673.LAB	11/27/2018	13:46	11.61	51.16	2.76	141
					Average (PPMv)	14,823
2MKS_0674.LAB	11/27/2018	13:47	11.58	48.78	2.75	134
2MKS_0675.LAB	11/27/2018	13:47	11.58	47.10	2.75	130
2MKS_0676.LAB	11/27/2018	13:47	11.60	43.60	2.76	120
2MKS_0677.LAB	11/27/2018	13:47	11.58	38.78	2.75	107
2MKS_0678.LAB	11/27/2018	13:48	11.60	37.55	2.76	104
2MKS_0679.LAB	11/27/2018	13:48	11.62	38.06	2.77	105
2MKS_0680.LAB	11/27/2018	13:48	11.62	35.76	2.77	99
2MKS_0681.LAB	11/27/2018	13:48	11.57	32.98	2.75	91
2MKS_0682.LAB	11/27/2018	13:49	11.55	29.29	2.74	80
2MKS_0683.LAB	11/27/2018	13:49	11.57	30.04	2.74	82
2MKS_0684.LAB	11/27/2018	13:49	11.59	27.05	2.75	74
2MKS_0685.LAB	11/27/2018	13:49	11.58	25.08	2.75	69
2MKS_0686.LAB	11/27/2018	13:50	11.52	23.16	2.73	63
2MKS_0687.LAB	11/27/2018	13:50	11.49	22.24	2.71	60
2MKS_0688.LAB	11/27/2018	13:50	11.51	20.38	2.72	55
2MKS_0689.LAB	11/27/2018	13:50	11.52	19.20	2.72	52
2MKS_0690.LAB	11/27/2018	13:51	11.50	18.17	2.72	49
2MKS_0691.LAB	11/27/2018	13:51	11.54	17.01	2.73	46
2MKS_0692.LAB	11/27/2018	13:51	11.53	15.14	2.73	41
2MKS_0693.LAB	11/27/2018	13:51	11.56	14.31	2.74	39
2MKS_0694.LAB	11/27/2018	13:52	11.54	14.19	2.73	39
2MKS_0695.LAB	11/27/2018	13:52	11.52	13.01	2.72	35
2MKS_0696.LAB	11/27/2018	13:52	11.53	12.69	2.73	35
2MKS_0697.LAB	11/27/2018	13:52	11.85	12.26	2.87	35
2MKS_0698.LAB	11/27/2018	13:53	14.49	8.59	4.91	42
2MKS_0699.LAB	11/27/2018	13:53	14.75	8.32	5.28	44
2MKS_0700.LAB	11/27/2018	13:53	14.71	8.65	5.22	45
2MKS_0701.LAB	11/27/2018	13:53	14.72	8.36	5.24	44
2MKS_0702.LAB	11/27/2018	13:54	14.73	8.01	5.25	42
2MKS_0703.LAB	11/27/2018	13:54	14.73	8.58	5.24	45
2MKS_0704.LAB	11/27/2018	13:54	14.71	8.07	5.22	42
2MKS_0705.LAB	11/27/2018	13:54	14.71	7.30	5.22	38
2MKS_0706.LAB	11/27/2018	13:55	14.74	7.38	5.26	39
2MKS_0707.LAB	11/27/2018	13:55	14.75	7.12	5.27	38
2MKS_0708.LAB	11/27/2018	13:55	14.76	7.28	5.30	39
2MKS_0709.LAB	11/27/2018	13:55	14.76	7.38	5.29	39
2MKS_0710.LAB	11/27/2018	13:56	14.69	7.25	5.18	38
2MKS_0711.LAB	11/27/2018	13:56	14.70	7.34	5.20	38
2MKS_0712.LAB	11/27/2018	13:56	14.71	6.78	5.22	35
2MKS_0713.LAB	11/27/2018	13:56	14.70	6.33	5.21	33
2MKS_0714.LAB	11/27/2018	13:57	14.67	7.03	5.16	36
2MKS_0715.LAB	11/27/2018	13:57	14.70	6.80	5.20	35
2MKS_0716.LAB	11/27/2018	13:57	14.68	6.28	5.17	32
2MKS_0717.LAB	11/27/2018	13:57	14.67	59.14	5.15	305
2MKS_0718.LAB	11/27/2018	13:58	14.69	200.42	5.19	1,041
2MKS_0719.LAB	11/27/2018	13:58	14.71	52.70	5.22	275
2MKS_0720.LAB	11/27/2018	13:58	14.68	25.30	5.17	131
2MKS_0721.LAB	11/27/2018	13:58	14.66	47.72	5.14	245
2MKS_0722.LAB	11/27/2018	13:59	14.61	195.94	5.08	994
2MKS_0723.LAB	11/27/2018	13:59	14.65	179.67	5.13	921
2MKS_0724.LAB	11/27/2018	13:59	14.66	50.04	5.14	257
2MKS_0725.LAB	11/27/2018	13:59	13.81	672.20	4.15	2,787

Run 2

Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c	
2MKS_0726.LAB	11/27/2018	14:00	12.47	5810.87	3.18	18,457	13:59 - 14:09
2MKS_0727.LAB	11/27/2018	14:00	15.96	9054.01	8.11	73,451	
2MKS_0728.LAB	11/27/2018	14:00	16.13	9692.73	8.79	85,218	
2MKS_0729.LAB	11/27/2018	14:00	16.03	9862.56	8.37	82,573	
2MKS_0730.LAB	11/27/2018	14:01	16.13	9986.10	8.79	87,805	
2MKS_0731.LAB	11/27/2018	14:01	16.16	10008.86	8.92	89,230	
2MKS_0732.LAB	11/27/2018	14:01	16.05	9988.85	8.45	84,400	
2MKS_0733.LAB	11/27/2018	14:01	16.00	9870.92	8.28	81,764	
2MKS_0734.LAB	11/27/2018	14:02	16.07	9255.04	8.55	79,118	
2MKS_0735.LAB	11/27/2018	14:02	14.77	8150.98	5.31	43,318	
2MKS_0736.LAB	11/27/2018	14:02	14.82	6707.07	5.39	36,130	
2MKS_0737.LAB	11/27/2018	14:02	15.10	5143.58	5.86	30,164	
2MKS_0738.LAB	11/27/2018	14:03	14.77	3914.51	5.30	20,752	
2MKS_0739.LAB	11/27/2018	14:03	14.90	2965.77	5.52	16,361	
2MKS_0740.LAB	11/27/2018	14:03	15.11	2508.18	5.89	14,780	
2MKS_0741.LAB	11/27/2018	14:03	14.83	2729.66	5.41	14,766	
2MKS_0742.LAB	11/27/2018	14:04	14.47	1401.81	4.88	6,840	
2MKS_0743.LAB	11/27/2018	14:04	14.64	817.15	5.11	4,178	
2MKS_0744.LAB	11/27/2018	14:04	14.65	577.00	5.12	2,955	
2MKS_0745.LAB	11/27/2018	14:04	14.45	785.56	4.85	3,811	
2MKS_0746.LAB	11/27/2018	14:05	14.31	1275.67	4.68	5,975	
2MKS_0747.LAB	11/27/2018	14:05	14.57	345.02	5.01	1,728	
2MKS_0748.LAB	11/27/2018	14:05	14.60	163.52	5.06	827	
2MKS_0749.LAB	11/27/2018	14:05	14.63	120.18	5.10	612	
2MKS_0750.LAB	11/27/2018	14:06	14.66	99.34	5.14	511	
2MKS_0751.LAB	11/27/2018	14:06	14.52	621.90	4.95	3,075	
2MKS_0752.LAB	11/27/2018	14:06	14.60	396.04	5.06	2,004	
2MKS_0753.LAB	11/27/2018	14:06	14.64	211.06	5.12	1,080	
2MKS_0754.LAB	11/27/2018	14:07	14.59	188.41	5.04	949	
2MKS_0755.LAB	11/27/2018	14:07	14.69	584.66	5.18	3,030	
2MKS_0756.LAB	11/27/2018	14:07	14.61	532.68	5.08	2,705	
2MKS_0757.LAB	11/27/2018	14:07	14.56	315.59	5.00	1,578	
2MKS_0758.LAB	11/27/2018	14:08	14.63	115.48	5.10	589	
2MKS_0759.LAB	11/27/2018	14:08	14.65	68.89	5.12	353	
2MKS_0760.LAB	11/27/2018	14:08	14.65	173.89	5.13	892	
2MKS_0761.LAB	11/27/2018	14:08	14.61	80.57	5.07	409	
2MKS_0762.LAB	11/27/2018	14:09	14.63	41.88	5.09	213	
2MKS_0763.LAB	11/27/2018	14:09	14.60	34.95	5.05	177	
2MKS_0764.LAB	11/27/2018	14:09	14.64	32.03	5.12	164	Average (PPMv)
2MKS_0765.LAB	11/27/2018	14:09	14.63	29.36	5.10	150	21,575
2MKS_0766.LAB	11/27/2018	14:10	14.61	26.40	5.07	134	
2MKS_0767.LAB	11/27/2018	14:10	14.61	24.38	5.07	124	
2MKS_0768.LAB	11/27/2018	14:10	14.63	22.06	5.11	113	
2MKS_0769.LAB	11/27/2018	14:10	14.62	18.98	5.09	97	
2MKS_0770.LAB	11/27/2018	14:11	14.62	17.35	5.08	88	
2MKS_0771.LAB	11/27/2018	14:11	14.66	15.46	5.14	80	
2MKS_0772.LAB	11/27/2018	14:11	14.60	14.88	5.06	75	
2MKS_0773.LAB	11/27/2018	14:11	14.64	14.68	5.11	75	
2MKS_0774.LAB	11/27/2018	14:12	14.64	14.47	5.12	74	
2MKS_0775.LAB	11/27/2018	14:12	14.56	13.13	5.00	66	
2MKS_0776.LAB	11/27/2018	14:12	14.61	12.61	5.07	64	
2MKS_0777.LAB	11/27/2018	14:12	14.63	12.24	5.10	62	
2MKS_0778.LAB	11/27/2018	14:13	14.60	11.89	5.06	60	
2MKS_0779.LAB	11/27/2018	14:13	14.59	11.95	5.04	60	
2MKS_0780.LAB	11/27/2018	14:13	14.61	10.43	5.07	53	
2MKS_0781.LAB	11/27/2018	14:13	14.58	10.63	5.02	53	
2MKS_0782.LAB	11/27/2018	14:14	14.60	11.10	5.06	56	
2MKS_0783.LAB	11/27/2018	14:14	14.57	162.34	5.01	814	
2MKS_0784.LAB	11/27/2018	14:14	14.56	444.92	5.00	2,223	Run 3
2MKS_0785.LAB	11/27/2018	14:14	11.17	3267.85	2.59	8,457	14:14 - 14:24
2MKS_0786.LAB	11/27/2018	14:15	14.38	8076.38	4.77	38,489	
2MKS_0787.LAB	11/27/2018	14:15	15.99	9313.90	8.24	76,762	
2MKS_0788.LAB	11/27/2018	14:15	16.02	9621.23	8.36	80,439	
2MKS_0789.LAB	11/27/2018	14:15	15.99	9742.79	8.25	80,412	
2MKS_0790.LAB	11/27/2018	14:16	15.84	9811.67	7.72	75,761	
2MKS_0791.LAB	11/27/2018	14:16	15.93	9792.00	8.01	78,450	
2MKS_0792.LAB	11/27/2018	14:16	16.05	9750.81	8.48	82,699	
2MKS_0793.LAB	11/27/2018	14:16	15.86	9670.03	7.80	75,387	
2MKS_0794.LAB	11/27/2018	14:17	15.91	9069.94	7.94	71,991	
2MKS_0795.LAB	11/27/2018	14:17	14.63	7910.56	5.10	40,374	
2MKS_0796.LAB	11/27/2018	14:17	14.85	6504.25	5.43	35,344	

Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0797.LAB	11/27/2018	14:17	15.04	4947.48	5.76	28,512
2MKS_0798.LAB	11/27/2018	14:18	14.97	3709.24	5.64	20,931
2MKS_0799.LAB	11/27/2018	14:18	15.33	2731.14	6.34	17,325
2MKS_0800.LAB	11/27/2018	14:18	14.84	2164.27	5.43	11,742
2MKS_0801.LAB	11/27/2018	14:18	14.89	2086.84	5.50	11,477
2MKS_0802.LAB	11/27/2018	14:19	14.49	1263.93	4.90	6,197
2MKS_0803.LAB	11/27/2018	14:19	14.62	732.49	5.09	3,730
2MKS_0804.LAB	11/27/2018	14:19	14.64	517.06	5.11	2,641
2MKS_0805.LAB	11/27/2018	14:19	14.25	1203.95	4.60	5,544
2MKS_0806.LAB	11/27/2018	14:20	14.42	741.02	4.82	3,572
2MKS_0807.LAB	11/27/2018	14:20	14.59	237.20	5.04	1,195
2MKS_0808.LAB	11/27/2018	14:20	14.42	500.81	4.82	2,413
2MKS_0809.LAB	11/27/2018	14:20	14.59	541.00	5.05	2,730
2MKS_0810.LAB	11/27/2018	14:21	14.63	248.99	5.10	1,270
2MKS_0811.LAB	11/27/2018	14:21	14.53	176.97	4.97	879
2MKS_0812.LAB	11/27/2018	14:21	14.60	431.46	5.06	2,182
2MKS_0813.LAB	11/27/2018	14:21	14.55	356.94	4.99	1,782
2MKS_0814.LAB	11/27/2018	14:22	14.58	147.25	5.02	739
2MKS_0815.LAB	11/27/2018	14:22	14.60	503.57	5.05	2,545
2MKS_0816.LAB	11/27/2018	14:22	14.58	244.45	5.02	1,228
2MKS_0817.LAB	11/27/2018	14:22	14.56	146.39	5.00	732
2MKS_0818.LAB	11/27/2018	14:23	14.58	180.73	5.03	909
2MKS_0819.LAB	11/27/2018	14:23	14.59	413.43	5.05	2,086
2MKS_0820.LAB	11/27/2018	14:23	14.59	424.05	5.05	2,141
2MKS_0821.LAB	11/27/2018	14:23	14.55	232.05	4.98	1,156
2MKS_0822.LAB	11/27/2018	14:24	14.58	74.22	5.03	373
2MKS_0823.LAB	11/27/2018	14:24	14.58	47.56	5.02	239
2MKS_0824.LAB	11/27/2018	14:24	14.63	38.10	5.10	194
2MKS_0825.LAB	11/27/2018	14:24	14.66	34.76	5.14	179
2MKS_0826.LAB	11/27/2018	14:25	14.59	30.32	5.04	153
2MKS_0827.LAB	11/27/2018	14:25	14.61	27.13	5.07	138
2MKS_0828.LAB	11/27/2018	14:25	14.57	23.97	5.02	120
2MKS_0829.LAB	11/27/2018	14:25	14.60	21.55	5.05	109
2MKS_0830.LAB	11/27/2018	14:26	14.60	18.57	5.05	94
2MKS_0831.LAB	11/27/2018	14:26	14.60	16.07	5.06	81
2MKS_0832.LAB	11/27/2018	14:26	14.58	14.79	5.03	74
2MKS_0833.LAB	11/27/2018	14:26	14.59	13.32	5.04	67
2MKS_0834.LAB	11/27/2018	14:27	14.57	13.03	5.02	65
2MKS_0835.LAB	11/27/2018	14:27	14.59	12.28	5.04	62
2MKS_0836.LAB	11/27/2018	14:27	14.58	11.89	5.03	60
2MKS_0837.LAB	11/27/2018	14:27	14.60	10.86	5.05	55
2MKS_0838.LAB	11/27/2018	14:28	14.60	9.93	5.06	50
2MKS_0839.LAB	11/27/2018	14:28	14.55	10.90	4.99	54
2MKS_0840.LAB	11/27/2018	14:28	14.57	9.27	5.02	46
2MKS_0841.LAB	11/27/2018	14:28	14.58	9.94	5.03	50
2MKS_0842.LAB	11/27/2018	14:29	14.58	9.78	5.03	49
2MKS_0843.LAB	11/27/2018	14:29	14.59	8.99	5.04	45
2MKS_0844.LAB	11/27/2018	14:29	14.63	9.29	5.10	47
2MKS_0845.LAB	11/27/2018	14:29	14.61	9.06	5.08	46
2MKS_0846.LAB	11/27/2018	14:30	14.60	8.66	5.06	44
2MKS_0847.LAB	11/27/2018	14:30	14.56	8.49	5.00	42
2MKS_0848.LAB	11/27/2018	14:30	14.58	9.14	5.03	46
2MKS_0849.LAB	11/27/2018	14:30	14.58	11.02	5.03	55
2MKS_0850.LAB	11/27/2018	14:31	14.62	10.14	5.08	52
2MKS_0851.LAB	11/27/2018	14:31	14.64	8.67	5.11	44
2MKS_0852.LAB	11/27/2018	14:31	14.64	7.04	5.11	36
2MKS_0853.LAB	11/27/2018	14:31	14.62	7.12	5.09	36
2MKS_0854.LAB	11/27/2018	14:32	14.60	6.68	5.06	34
2MKS_0855.LAB	11/27/2018	14:32	14.59	6.41	5.05	32
2MKS_0856.LAB	11/27/2018	14:32	14.60	6.67	5.06	34
2MKS_0857.LAB	11/27/2018	14:32	14.58	6.24	5.03	31
2MKS_0858.LAB	11/27/2018	14:33	14.63	6.83	5.10	35
2MKS_0859.LAB	11/27/2018	14:33	14.60	6.35	5.05	32
2MKS_0860.LAB	11/27/2018	14:33	14.61	5.73	5.07	29
2MKS_0861.LAB	11/27/2018	14:33	14.60	5.37	5.05	27
2MKS_0862.LAB	11/27/2018	14:34	14.58	5.38	5.03	27
2MKS_0863.LAB	11/27/2018	14:34	14.59	5.89	5.05	30
2MKS_0864.LAB	11/27/2018	14:34	14.60	6.31	5.05	32
2MKS_0865.LAB	11/27/2018	14:34	14.60	5.39	5.05	27
2MKS_0866.LAB	11/27/2018	14:35	14.64	5.67	5.11	29
2MKS_0867.LAB	11/27/2018	14:35	14.67	5.76	5.16	30

Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0868.LAB	11/27/2018	14:35	14.60	5.36	5.06	27
2MKS_0869.LAB	11/27/2018	14:35	14.62	5.60	5.08	28
2MKS_0870.LAB	11/27/2018	14:36	14.62	5.54	5.08	28
2MKS_0871.LAB	11/27/2018	14:36	14.58	3.70	5.04	19
2MKS_0872.LAB	11/27/2018	14:36	14.61	4.70	5.07	24
2MKS_0873.LAB	11/27/2018	14:36	14.63	4.43	5.10	23
2MKS_0874.LAB	11/27/2018	14:37	14.64	4.56	5.11	23
2MKS_0875.LAB	11/27/2018	14:37	14.60	4.87	5.06	25
2MKS_0876.LAB	11/27/2018	14:37	14.64	4.97	5.11	25
2MKS_0877.LAB	11/27/2018	14:37	14.62	4.45	5.08	23
2MKS_0878.LAB	11/27/2018	14:38	14.57	21.83	5.01	109
2MKS_0879.LAB	11/27/2018	14:38	14.53	204.96	4.96	1,016
2MKS_0880.LAB	11/27/2018	14:38	10.81	2751.37	2.46	6,777
2MKS_0881.LAB	11/27/2018	14:38	14.41	8199.38	4.81	39,410
2MKS_0882.LAB	11/27/2018	14:39	15.90	9535.57	7.92	75,508
2MKS_0883.LAB	11/27/2018	14:39	15.82	9923.83	7.65	75,894
2MKS_0884.LAB	11/27/2018	14:39	16.01	10081.41	8.31	83,813
2MKS_0885.LAB	11/27/2018	14:39	15.92	10112.65	7.99	80,779
2MKS_0886.LAB	11/27/2018	14:40	15.83	10035.99	7.69	77,197
2MKS_0887.LAB	11/27/2018	14:40	15.99	10012.82	8.25	82,619
2MKS_0888.LAB	11/27/2018	14:40	15.96	9784.26	8.14	79,598
2MKS_0889.LAB	11/27/2018	14:40	15.87	8857.56	7.83	69,346
2MKS_0890.LAB	11/27/2018	14:41	14.62	7667.63	5.09	38,991
2MKS_0891.LAB	11/27/2018	14:41	14.94	6192.29	5.58	34,528
2MKS_0892.LAB	11/27/2018	14:41	15.04	4797.47	5.76	27,623
2MKS_0893.LAB	11/27/2018	14:41	14.91	3764.56	5.53	20,812
2MKS_0894.LAB	11/27/2018	14:42	14.91	2854.67	5.54	15,813
2MKS_0895.LAB	11/27/2018	14:42	14.80	2897.19	5.35	15,491
2MKS_0896.LAB	11/27/2018	14:42	14.33	1662.93	4.70	7,820
2MKS_0897.LAB	11/27/2018	14:42	14.57	989.08	5.02	4,966
2MKS_0898.LAB	11/27/2018	14:43	14.54	1022.47	4.97	5,085
2MKS_0899.LAB	11/27/2018	14:43	14.55	674.80	4.98	3,363
2MKS_0900.LAB	11/27/2018	14:43	14.54	599.79	4.98	2,987
2MKS_0901.LAB	11/27/2018	14:43	14.52	1161.74	4.95	5,753
2MKS_0902.LAB	11/27/2018	14:44	14.58	777.82	5.03	3,915
2MKS_0903.LAB	11/27/2018	14:44	14.60	408.25	5.06	2,065
2MKS_0904.LAB	11/27/2018	14:44	14.59	437.96	5.04	2,207
2MKS_0905.LAB	11/27/2018	14:44	14.55	364.55	4.98	1,816
2MKS_0906.LAB	11/27/2018	14:45	14.59	492.16	5.04	2,479
2MKS_0907.LAB	11/27/2018	14:45	14.53	394.13	4.96	1,956
2MKS_0908.LAB	11/27/2018	14:45	14.54	348.53	4.97	1,733
2MKS_0909.LAB	11/27/2018	14:45	14.55	148.08	4.99	738
2MKS_0910.LAB	11/27/2018	14:46	14.59	223.63	5.04	1,127
2MKS_0911.LAB	11/27/2018	14:46	14.59	359.20	5.04	1,809
2MKS_0912.LAB	11/27/2018	14:46	14.56	138.99	5.00	694
2MKS_0913.LAB	11/27/2018	14:46	14.56	71.72	5.00	359
2MKS_0914.LAB	11/27/2018	14:47	14.58	52.47	5.03	264
2MKS_0915.LAB	11/27/2018	14:47	14.57	54.39	5.02	273
2MKS_0916.LAB	11/27/2018	14:47	14.55	258.73	4.99	1,292
2MKS_0917.LAB	11/27/2018	14:47	14.50	87.31	4.92	429
2MKS_0918.LAB	11/27/2018	14:48	14.59	50.71	5.04	256
2MKS_0919.LAB	11/27/2018	14:48	14.58	34.14	5.03	172
2MKS_0920.LAB	11/27/2018	14:48	14.58	19.46	5.03	98
2MKS_0921.LAB	11/27/2018	14:48	14.53	16.49	4.96	82
						Average (PPMv)
						19,979
2MKS_0922.LAB	11/27/2018	14:49	14.58	14.78	5.03	74
2MKS_0923.LAB	11/27/2018	14:49	14.60	12.98	5.05	66
2MKS_0924.LAB	11/27/2018	14:49	14.56	12.74	5.01	64
2MKS_0925.LAB	11/27/2018	14:49	14.56	63.44	5.01	318
2MKS_0926.LAB	11/27/2018	14:50	14.14	555.99	4.48	2,492
2MKS_0927.LAB	11/27/2018	14:50	12.81	4698.68	3.38	15,870
2MKS_0928.LAB	11/27/2018	14:50	15.78	8886.09	7.51	66,735
2MKS_0929.LAB	11/27/2018	14:50	15.77	9986.30	7.51	74,971
2MKS_0930.LAB	11/27/2018	14:51	16.00	10256.83	8.29	84,980
2MKS_0931.LAB	11/27/2018	14:51	16.08	10307.32	8.60	88,615
2MKS_0932.LAB	11/27/2018	14:51	15.93	10267.54	8.01	82,232
2MKS_0933.LAB	11/27/2018	14:51	15.94	10212.60	8.07	82,427
2MKS_0934.LAB	11/27/2018	14:52	15.95	10121.69	8.08	81,808
2MKS_0935.LAB	11/27/2018	14:52	15.98	9559.31	8.22	78,558
2MKS_0936.LAB	11/27/2018	14:52	15.84	8510.93	7.71	65,583
2MKS_0937.LAB	11/27/2018	14:52	14.72	7129.11	5.23	37,261
2MKS_0938.LAB	11/27/2018	14:53	15.09	5600.29	5.85	32,747

Spectrum (CTO Inlet)	Date	Time	ETHYLENE 35C	Ethylene oxide 35c	Dil Rate	Ethylene oxide 35c
2MKS_0939.LAB	11/27/2018	14:53	15.04	4412.94	5.76	25,440
2MKS_0940.LAB	11/27/2018	14:53	14.84	3521.15	5.43	19,106
2MKS_0941.LAB	11/27/2018	14:53	14.98	2862.47	5.66	16,193
2MKS_0942.LAB	11/27/2018	14:54	14.57	2537.07	5.02	12,726
2MKS_0943.LAB	11/27/2018	14:54	14.50	1316.59	4.92	6,477
2MKS_0944.LAB	11/27/2018	14:54	14.55	882.92	4.99	4,406
2MKS_0945.LAB	11/27/2018	14:54	14.58	649.30	5.02	3,263
2MKS_0946.LAB	11/27/2018	14:55	14.55	571.14	4.99	2,850
2MKS_0947.LAB	11/27/2018	14:55	14.48	1009.64	4.89	4,940
2MKS_0948.LAB	11/27/2018	14:55	14.51	1012.72	4.93	4,994
2MKS_0949.LAB	11/27/2018	14:55	14.51	466.07	4.93	2,297
2MKS_0950.LAB	11/27/2018	14:56	14.56	426.33	5.01	2,135
2MKS_0951.LAB	11/27/2018	14:56	14.57	472.32	5.02	2,369
2MKS_0952.LAB	11/27/2018	14:56	14.52	336.45	4.95	1,666
2MKS_0953.LAB	11/27/2018	14:56	14.54	280.39	4.98	1,396
2MKS_0954.LAB	11/27/2018	14:57	14.61	517.80	5.08	2,628
2MKS_0955.LAB	11/27/2018	14:57	14.50	342.48	4.92	1,686
2MKS_0956.LAB	11/27/2018	14:57	14.50	184.32	4.93	908
2MKS_0957.LAB	11/27/2018	14:57	14.51	227.13	4.93	1,120
2MKS_0958.LAB	11/27/2018	14:58	14.59	446.45	5.05	2,254
2MKS_0959.LAB	11/27/2018	14:58	14.57	426.74	5.02	2,143
2MKS_0960.LAB	11/27/2018	14:58	14.55	356.76	4.99	1,779
2MKS_0961.LAB	11/27/2018	14:58	14.50	170.48	4.92	839
2MKS_0962.LAB	11/27/2018	14:59	14.56	124.09	4.99	620
2MKS_0963.LAB	11/27/2018	14:59	14.57	300.74	5.02	1,509
2MKS_0964.LAB	11/27/2018	14:59	14.53	267.40	4.96	1,326
2MKS_0965.LAB	11/27/2018	14:59	14.56	106.26	4.99	531
2MKS_0966.LAB	11/27/2018	15:00	14.54	62.91	4.98	313
2MKS_0967.LAB	11/27/2018	15:00	14.52	49.34	4.95	244
2MKS_0968.LAB	11/27/2018	15:00	14.56	43.17	5.00	216
						Average (PPMv) 21,457
2MKS_0969.LAB	11/27/2018	15:00	14.53	39.57	4.96	196
2MKS_0970.LAB	11/27/2018	15:01	14.54	35.84	4.98	178
2MKS_0971.LAB	11/27/2018	15:01	14.51	33.72	4.93	166
2MKS_0972.LAB	11/27/2018	15:01	14.55	31.76	4.99	158
2MKS_0973.LAB	11/27/2018	15:01	14.55	29.96	4.99	150
2MKS_0974.LAB	11/27/2018	15:02	14.55	29.48	4.99	147
2MKS_0975.LAB	11/27/2018	15:02	14.51	27.45	4.93	135
2MKS_0976.LAB	11/27/2018	15:02	14.57	26.73	5.01	134
2MKS_0977.LAB	11/27/2018	15:02	14.59	25.99	5.05	131
2MKS_0978.LAB	11/27/2018	15:03	14.59	25.29	5.04	127
2MKS_0979.LAB	11/27/2018	15:03	14.61	25.57	5.07	130
2MKS_0980.LAB	11/27/2018	15:07	16.52	18.13		
2MKS_0981.LAB	11/27/2018	15:07	18.04	12.51		
2MKS_0982.LAB	11/27/2018	15:07	18.18	10.89		
2MKS_0983.LAB	11/27/2018	15:07	18.21	11.38		
2MKS_0984.LAB	11/27/2018	15:08	18.28	10.36		
2MKS_0985.LAB	11/27/2018	15:08	18.21	10.56		
2MKS_0986.LAB	11/27/2018	15:08	18.23	9.89		
2MKS_0987.LAB	11/27/2018	15:08	18.16	9.46		
2MKS_0988.LAB	11/27/2018	15:09	18.16	10.74		
2MKS_0989.LAB	11/27/2018	15:09	18.24	10.58		
2MKS_0990.LAB	11/27/2018	15:09	18.19	10.36		
2MKS_0991.LAB	11/27/2018	15:09	18.33	10.11		
2MKS_0992.LAB	11/27/2018	15:10	18.31	10.38		

Spectrum(CTO Exhaust)	Date	Time	CO2 35C	ETHYLENE 35C	Ethylene oxide 35c	SULFUR HEXAFLUORIDE 25C	H2O% 35C	Temp (C)	Pressure (Atm)
7MKS_0122.LAB	11/27/2018	13:05	-6	-0.03	0.09	0.02	0	36.1	0.934
7MKS_0530.LAB	11/27/2018	14:50	72	0.01	0.11	0.02	0.2	36.1	0.933
7MKS_0530.LAB	11/27/2018	14:50	72	0.01	0.11	0.02	0.2	36.1	0.933
7MKS_0001BKG.LAB	11/27/2018	10:25	0	0	0	0	0	36.2	0.941
7MKS_0002.LAB	11/27/2018	10:26	0	0.01	0.05	0	0	36.2	0.941
7MKS_0003.LAB	11/27/2018	10:27	0	-0.02	0.07	0	0	36.2	0.941
7MKS_0004.LAB	11/27/2018	10:28	0	0.02	0.06	0	0	36.2	0.941
7MKS_0005.LAB	11/27/2018	10:29	0	-0.01	0.06	0	0	36.2	0.941
7MKS_0006.LAB	11/27/2018	10:30	0	0.02	0.05	0	0	36.1	0.941
7MKS_0007.LAB	11/27/2018	10:31	0	0.01	0.07	0	0	36.1	0.941
7MKS_0008.LAB	11/27/2018	10:32	0	0	0.04	0	0	36.1	0.942
7MKS_0009.LAB	11/27/2018	10:33	0	-0.02	0.04	0	0	36.1	0.942
7MKS_0010.LAB	11/27/2018	10:38	-5	0.04	0.06	0	0	36.2	0.891
7MKS_0011.LAB	11/27/2018	10:39	-4	0	0.04	0	0	36.1	0.891
7MKS_0012.LAB	11/27/2018	10:40	-4	0.03	0.05	0	0	36.1	0.892
7MKS_0013.LAB	11/27/2018	10:41	-4	-0.02	0.03	0	0	36.1	0.892
7MKS_0014.LAB	11/27/2018	10:42	-4	0	0.09	0	0	36.1	0.893
7MKS_0015.LAB	11/27/2018	10:43	-4	0.02	0.05	0	0	36.1	0.893
7MKS_0016.LAB	11/27/2018	10:44	-4	-0.03	0.01	0	0	36.1	0.894
7MKS_0017.LAB	11/27/2018	10:49	-1	0.02	0.03	0.02	0	36.1	0.941
7MKS_0018.LAB	11/27/2018	10:50	-29	0.98	0.02	0.8	0	36.2	0.941
7MKS_0019.LAB	11/27/2018	10:51	-358	17.94	-0.2	0.01	0.1	36.1	0.941
7MKS_0020.LAB	11/27/2018	10:52	-397	19.62	0.64	-0.01	-0.2	36.1	0.941
7MKS_0021.LAB	11/27/2018	10:53	-400	19.72	0.72	-0.01	-0.2	36.1	0.941
7MKS_0022.LAB	11/27/2018	10:53	-401	19.63	0.76	0	-0.2	36.1	0.941
7MKS_0023.LAB	11/27/2018	10:54	-402	19.64	0.67	-0.01	-0.2	36.1	0.941
7MKS_0024.LAB	11/27/2018	11:24	37	0.07	-0.1	0	0.4	36.1	0.939
7MKS_0025.LAB	11/27/2018	11:25	32	0.11	-0.08	0	0.3	36.1	0.94
7MKS_0026.LAB	11/27/2018	11:26	32	0.18	-0.04	0	0.3	36	0.94
7MKS_0027.LAB	11/27/2018	11:27	32	0.23	-0.04	0	0.3	36.1	0.94
7MKS_0028.LAB	11/27/2018	11:28	29	0.28	-0.15	0	0.3	36.1	0.94
7MKS_0029.LAB	11/27/2018	11:29	25	0.37	-0.05	0	0.3	36.1	0.94
7MKS_0030.LAB	11/27/2018	11:30	20	0.5	-0.02	0	0.3	36.1	0.94
7MKS_0031.LAB	11/27/2018	11:31	16	0.64	-0.06	0	0.2	36.1	0.94
7MKS_0032.LAB	11/27/2018	11:32	10	0.91	-0.11	0	0.2	36.1	0.94
7MKS_0033.LAB	11/27/2018	11:33	4	1.22	-0.03	0	0.2	36.1	0.94
7MKS_0034.LAB	11/27/2018	11:34	-4	1.68	-0.06	0	0.2	36.1	0.94
7MKS_0035.LAB	11/27/2018	11:35	-18	2.18	-0.06	0	0.2	36.1	0.94
7MKS_0036.LAB	11/27/2018	11:36	-32	2.96	0	0	0.2	36.1	0.94
7MKS_0037.LAB	11/27/2018	11:37	-50	3.91	-0.07	0	0.2	36.1	0.94
7MKS_0038.LAB	11/27/2018	11:38	-73	5.16	-0.34	0	0.2	36.1	0.94
7MKS_0039.LAB	11/27/2018	11:39	-98	6.47	-0.41	0	0.3	36.1	0.94
7MKS_0040.LAB	11/27/2018	11:40	-127	8.02	-0.36	0	0.2	36.1	0.94
7MKS_0041.LAB	11/27/2018	11:41	-158	9.77	-0.5	0	0.2	36.1	0.94
7MKS_0042.LAB	11/27/2018	11:42	-187	11.42	-0.43	0	0.2	36.1	0.94
7MKS_0043.LAB	11/27/2018	11:43	-215	12.88	-0.33	-0.01	0.2	36.1	0.94
7MKS_0044.LAB	11/27/2018	11:44	-238	14.1	-0.27	-0.01	0.1	36.1	0.94
7MKS_0045.LAB	11/27/2018	11:45	-256	15.15	-0.19	-0.01	0.1	36.1	0.94
7MKS_0046.LAB	11/27/2018	11:46	-272	15.95	-0.11	-0.01	0.1	36	0.94
7MKS_0047.LAB	11/27/2018	11:47	-284	16.57	-0.03	-0.01	0	36.1	0.94
7MKS_0048.LAB	11/27/2018	11:48	-295	17.05	0.04	-0.01	0	36.1	0.94
7MKS_0049.LAB	11/27/2018	11:49	-303	17.47	0.05	-0.01	0	36.1	0.94
7MKS_0050.LAB	11/27/2018	11:50	-309	17.71	0.08	-0.01	0	36.2	0.94
7MKS_0051.LAB	11/27/2018	11:51	-313	17.91	0.11	-0.01	-0.1	36.1	0.94
7MKS_0052.LAB	11/27/2018	11:52	-317	18.08	0.2	0	-0.1	36.1	0.94
7MKS_0053.LAB	11/27/2018	11:53	-321	18.21	0.18	-0.01	-0.1	36.1	0.94
7MKS_0054.LAB	11/27/2018	11:54	-323	18.31	0.25	0	-0.1	36.1	0.94
7MKS_0055.LAB	11/27/2018	11:55	-325	18.38	0.22	0	-0.1	36.1	0.94
7MKS_0056.LAB	11/27/2018	11:56	-329	18.47	0.26	0	-0.1	36.1	0.94
7MKS_0057.LAB	11/27/2018	11:57	-330	18.52	0.31	0	-0.1	36.1	0.939
7MKS_0058.LAB	11/27/2018	11:58	-332	18.54	0.29	0	-0.1	36.1	0.94
7MKS_0059.LAB	11/27/2018	11:59	-333	18.58	0.34	0	-0.1	36.1	0.939
7MKS_0060.LAB	11/27/2018	12:00	-334	18.57	0.29	0	-0.1	36.1	0.939
7MKS_0061.LAB	11/27/2018	12:01	-336	18.57	0.38	0	-0.1	36.1	0.939
7MKS_0062.LAB	11/27/2018	12:02	-336	18.53	0.36	0	-0.1	36.1	0.939
7MKS_0063.LAB	11/27/2018	12:03	-334	18.3	0.39	0	-0.1	36.1	0.939
7MKS_0064.LAB	11/27/2018	12:04	-363	18.14	0.42	0	-0.2	36.1	0.866
7MKS_0065.LAB	11/27/2018	12:05	-311	15.96	0.39	0	-0.1	36.1	0.928
7MKS_0066.LAB	11/27/2018	12:06	-272	13.63	0.39	0	-0.1	36.1	0.939
7MKS_0067.LAB	11/27/2018	12:07	-234	11.18	0.34	0	-0.1	36.1	0.939
7MKS_0068.LAB	11/27/2018	12:08	-198	8.83	0.33	0.01	-0.1	36.1	0.939
7MKS_0069.LAB	11/27/2018	12:09	-57	1.48	0.13	0.01	-0.1	36.1	0.938
7MKS_0070.LAB	11/27/2018	12:10	-13	0.22	0.1	0	0	36.1	0.938
7MKS_0071.LAB	11/27/2018	12:11	-6	0.1	0.09	0.02	0	36.1	0.938
7MKS_0072.LAB	11/27/2018	12:12	-4	0	0.07	0.02	0	36.1	0.936
7MKS_0073.LAB	11/27/2018	12:16	-6	0.02	0.05	0.02	0	36.1	0.935
7MKS_0074.LAB	11/27/2018	12:17	-7	0.04	0.06	0.02	0	36.1	0.936

Spectrum(CTO Exhaust)	Date	Time	CO2 35C	ETHYLENE 35C	Ethylene oxide 35c	SULFUR HEXAFLUORIDE 25C	H2O% 35C	Temp (C)	Pressure (Atm)
7MKS_0075.LAB	11/27/2018	12:18	-7	0.03	0.1	0.02	0	36.1	0.935
7MKS_0076.LAB	11/27/2018	12:19	-7	0.01	0.1	0.02	0	36.1	0.935
7MKS_0077.LAB	11/27/2018	12:20	-6	0.03	0.08	0.02	0	36.1	0.935
7MKS_0078.LAB	11/27/2018	12:21	-5	0.03	0.07	0.02	0	36.1	0.935
7MKS_0079.LAB	11/27/2018	12:22	-5	-0.03	0.1	0.02	0	36.1	0.935
7MKS_0080.LAB	11/27/2018	12:23	-5	0	0.05	0.02	0	36.1	0.935
7MKS_0081.LAB	11/27/2018	12:24	-4	0	0.09	0.02	0	36.1	0.935
7MKS_0082.LAB	11/27/2018	12:25	-4	0.04	0.06	0.02	0	36.1	0.935
7MKS_0083.LAB	11/27/2018	12:26	-5	0	0.06	0.02	0	36.1	0.935
7MKS_0084.LAB	11/27/2018	12:27	-5	0.01	0.08	0.02	0	36.1	0.935
7MKS_0085.LAB	11/27/2018	12:28	-6	0.03	0.13	0.02	0	36.1	0.935
7MKS_0086.LAB	11/27/2018	12:29	-6	0.05	0.07	0.02	0	36.1	0.935
7MKS_0087.LAB	11/27/2018	12:30	-6	0.01	0.08	0.02	0	36.1	0.935
7MKS_0088.LAB	11/27/2018	12:31	-6	0.01	0.12	0.02	0	36.1	0.935
7MKS_0089.LAB	11/27/2018	12:32	-5	0.03	0.13	0.02	0	36.1	0.935
7MKS_0090.LAB	11/27/2018	12:33	-5	0.02	0.14	0.02	0	36.1	0.935
7MKS_0091.LAB	11/27/2018	12:34	-5	0.02	0.1	0.02	0	36.1	0.935
7MKS_0092.LAB	11/27/2018	12:35	-4	0.02	0.09	0.02	0	36.1	0.935
7MKS_0093.LAB	11/27/2018	12:36	-4	0.02	0.09	0.02	0	36.1	0.935
7MKS_0094.LAB	11/27/2018	12:37	-4	0.03	0.04	0.02	0	36.1	0.935
7MKS_0095.LAB	11/27/2018	12:38	-5	0.03	0.09	0.02	0	36.1	0.935
7MKS_0096.LAB	11/27/2018	12:39	-5	0.04	0.09	0.02	0	36.1	0.935
7MKS_0097.LAB	11/27/2018	12:40	-4	0	0.08	0.02	0	36.1	0.935
7MKS_0098.LAB	11/27/2018	12:41	-4	-0.02	0.11	0.02	0	36.1	0.935
7MKS_0099.LAB	11/27/2018	12:42	-4	0.05	0.06	0.02	0	36.1	0.935
7MKS_0100.LAB	11/27/2018	12:43	-6	0.05	0.11	0.02	0	36.1	0.935
7MKS_0101.LAB	11/27/2018	12:44	-6	0.04	0.14	0.02	0	36.1	0.935
7MKS_0102.LAB	11/27/2018	12:45	-5	-0.01	0.11	0.02	0	36.1	0.935
7MKS_0103.LAB	11/27/2018	12:46	-5	0.01	0.04	0.02	0	36.1	0.935
7MKS_0104.LAB	11/27/2018	12:47	-5	0.02	0.09	0.02	0	36.1	0.935
7MKS_0105.LAB	11/27/2018	12:48	-5	0.02	0.1	0.02	0	36.1	0.935
7MKS_0106.LAB	11/27/2018	12:49	-3	-0.01	0.08	0.02	0	36.1	0.935
7MKS_0107.LAB	11/27/2018	12:50	-3	0.01	0.07	0.02	0	36.1	0.935
7MKS_0108.LAB	11/27/2018	12:51	-4	0.04	0.11	0.02	0	36.1	0.935
7MKS_0109.LAB	11/27/2018	12:52	-5	0.03	0.06	0.02	0	36.1	0.935
7MKS_0110.LAB	11/27/2018	12:53	-6	0.03	0.1	0.02	0	36.1	0.935
7MKS_0111.LAB	11/27/2018	12:54	-6	0.03	0.06	0.02	0	36.1	0.935
7MKS_0112.LAB	11/27/2018	12:55	-7	-0.04	0.08	0.02	0	36.1	0.935
7MKS_0113.LAB	11/27/2018	12:56	-7	0.03	0.11	0.02	0	36.1	0.934
7MKS_0114.LAB	11/27/2018	12:57	-8	0.02	0.08	0.02	0	36	0.934
7MKS_0115.LAB	11/27/2018	12:58	-8	0.03	0.11	0.02	0	36.1	0.934
7MKS_0116.LAB	11/27/2018	12:59	-7	0	0.11	0.02	0	36.1	0.934
7MKS_0117.LAB	11/27/2018	13:00	-7	0.02	0.13	0.02	0	36.1	0.934
7MKS_0118.LAB	11/27/2018	13:01	-4	-0.01	0.16	0.02	0	36	0.934
7MKS_0119.LAB	11/27/2018	13:02	3	-0.02	0.09	0.02	0	36.1	0.934
7MKS_0120.LAB	11/27/2018	13:03	-1	0.01	0.05	0.02	0	36.1	0.934
7MKS_0121.LAB	11/27/2018	13:04	-2	0	0.11	0.02	0	36.1	0.934
7MKS_0122.LAB	11/27/2018	13:05	-6	-0.03	0.09	0.02	0	36.1	0.934
7MKS_0123.LAB	11/27/2018	13:06	-6	0.01	0.09	0.02	0	36.1	0.934
7MKS_0124.LAB	11/27/2018	13:07	-7	0.01	0.11	0.02	0	36.1	0.934
7MKS_0125.LAB	11/27/2018	13:09	-7	0.03	0.06	0.02	0	36	0.934
7MKS_0126.LAB	11/27/2018	13:09	-6	-0.02	0.09	0.02	0	36.1	0.934
7MKS_0127.LAB	11/27/2018	13:09	-7	-0.02	0.17	0.02	0	36.1	0.934
7MKS_0128.LAB	11/27/2018	13:10	-6	-0.03	0.17	0.02	0	36.1	0.934
7MKS_0129.LAB	11/27/2018	13:10	-7	0	0.05	0.02	0	36.1	0.934
7MKS_0130.LAB	11/27/2018	13:10	-6	-0.07	0.17	0.02	0	36.1	0.934
7MKS_0131.LAB	11/27/2018	13:10	-7	-0.03	0.22	0.02	0	36.1	0.934
7MKS_0132.LAB	11/27/2018	13:11	-6	-0.05	0.05	0.02	0	36	0.934
7MKS_0133.LAB	11/27/2018	13:11	-6	-0.03	0.09	0.02	0	36.1	0.934
7MKS_0134.LAB	11/27/2018	13:11	-4	0.03	0.04	0.02	0	36.1	0.934
7MKS_0135.LAB	11/27/2018	13:11	-4	-0.09	0.12	0.02	0	36	0.934
7MKS_0136.LAB	11/27/2018	13:12	-4	0	0.04	0.02	0	36.1	0.934
7MKS_0137.LAB	11/27/2018	13:12	-5	-0.07	0.12	0.02	0	36	0.934
7MKS_0138.LAB	11/27/2018	13:12	-6	0.03	0.07	0.02	0	36.1	0.934
7MKS_0139.LAB	11/27/2018	13:12	-5	-0.01	0.16	0.02	0	36.1	0.934
7MKS_0140.LAB	11/27/2018	13:13	-2	-0.04	0.08	0.02	0	36.1	0.934
7MKS_0141.LAB	11/27/2018	13:13	1	-0.03	0.08	0.02	0	36	0.934
7MKS_0142.LAB	11/27/2018	13:13	0	-0.04	0.16	0.02	0	36.1	0.934
7MKS_0143.LAB	11/27/2018	13:13	-2	0.08	0.02	0.02	0	36.1	0.934
7MKS_0144.LAB	11/27/2018	13:14	-2	0.07	0.08	0.01	0	36.1	0.934
7MKS_0145.LAB	11/27/2018	13:14	2	0.07	0.07	0.02	0	36.1	0.934
7MKS_0146.LAB	11/27/2018	13:14	6	-0.04	0.07	0.02	0	36.1	0.934
7MKS_0147.LAB	11/27/2018	13:14	12	0	0.05	0.02	0	36.1	0.934
7MKS_0148.LAB	11/27/2018	13:15	21	-0.04	0.1	0.02	0	36.1	0.934
7MKS_0149.LAB	11/27/2018	13:15	29	0.05	0.08	0.02	0	36.1	0.934
7MKS_0150.LAB	11/27/2018	13:15	34	0	0.07	0.02	0	36.1	0.934
7MKS_0151.LAB	11/27/2018	13:15	35	0.05	0.08	0.02	0	36.1	0.934

Initial Vent

Spectrum(CTO Exhaust)	Date	Time	CO2 35C	ETHYLENE 35C	Ethylene oxide 35c	SULFUR HEXAFLUORIDE 25C	H2O% 35C	Temp (C)	Pressure (Atm)
7MKS_0152.LAB	11/27/2018	13:16	35	-0.02	0.07	0.02	0	36.1	0.934
7MKS_0153.LAB	11/27/2018	13:16	35	0.02	0.05	0.02	0	36.1	0.934
7MKS_0154.LAB	11/27/2018	13:16	34	-0.02	0.18	0.02	0	36.1	0.934
7MKS_0155.LAB	11/27/2018	13:16	30	0.07	0.01	0.02	0	36.1	0.934
7MKS_0156.LAB	11/27/2018	13:17	24	0.05	0.13	0.02	0	36.1	0.934
7MKS_0157.LAB	11/27/2018	13:17	19	0	0.09	0.02	0	36.1	0.934
7MKS_0158.LAB	11/27/2018	13:17	14	-0.04	0.04	0.02	0	36.1	0.934
7MKS_0159.LAB	11/27/2018	13:17	10	-0.02	0.02	0.02	0	36.1	0.934
7MKS_0160.LAB	11/27/2018	13:18	7	-0.01	0.08	0.02	0	36.1	0.934
7MKS_0161.LAB	11/27/2018	13:18	5	-0.03	0.15	0.02	0	36.1	0.934
7MKS_0162.LAB	11/27/2018	13:18	4	0	0.12	0.02	0	36.1	0.934
7MKS_0163.LAB	11/27/2018	13:18	3	0.04	0.19	0.02	0	36	0.934
7MKS_0164.LAB	11/27/2018	13:19	2	-0.02	0.13	0.02	0	36.1	0.934
7MKS_0165.LAB	11/27/2018	13:19	1	0.05	0.06	0.02	0	36	0.934
7MKS_0166.LAB	11/27/2018	13:19	0	0	0.09	0.02	0	36.1	0.934
7MKS_0167.LAB	11/27/2018	13:19	-1	0.01	0.1	0.02	0	36.1	0.934
7MKS_0168.LAB	11/27/2018	13:20	-2	0.01	0.13	0.02	0	36	0.934
7MKS_0169.LAB	11/27/2018	13:20	-2	0.06	0.14	0.02	0	36.1	0.934
7MKS_0170.LAB	11/27/2018	13:20	-3	-0.04	0.13	0.02	0	36.1	0.934
7MKS_0171.LAB	11/27/2018	13:20	-3	-0.01	0.2	0.02	0	36.1	0.934
7MKS_0172.LAB	11/27/2018	13:21	-3	0.1	0.11	0.02	0	36.1	0.934
7MKS_0173.LAB	11/27/2018	13:21	-4	0.03	0.07	0.02	0	36.1	0.934
7MKS_0174.LAB	11/27/2018	13:21	-5	-0.02	0.14	0.02	0	36.1	0.934
7MKS_0175.LAB	11/27/2018	13:21	-5	0.01	0.06	0.02	0	36.1	0.934
7MKS_0176.LAB	11/27/2018	13:22	-5	-0.03	0.16	0.02	0	36.1	0.934
7MKS_0177.LAB	11/27/2018	13:22	-5	0.08	0.06	0.02	0	36.1	0.934
7MKS_0178.LAB	11/27/2018	13:22	-5	0.02	0.08	0.02	0	36.1	0.934
7MKS_0179.LAB	11/27/2018	13:22	-6	-0.02	0.07	0.02	0	36.1	0.934
7MKS_0180.LAB	11/27/2018	13:23	-6	0.02	0.07	0.02	0	36.1	0.934
7MKS_0181.LAB	11/27/2018	13:23	-6	-0.04	0.15	0.02	0	36.1	0.934
7MKS_0182.LAB	11/27/2018	13:23	-5	0	0.14	0.02	0	36.1	0.934
7MKS_0183.LAB	11/27/2018	13:23	-5	-0.03	0.11	0.02	0	36.1	0.934
7MKS_0184.LAB	11/27/2018	13:24	-5	0.04	0.12	0.02	0	36.1	0.934
7MKS_0185.LAB	11/27/2018	13:24	-4	-0.06	0.09	0.02	0	36.1	0.934
7MKS_0186.LAB	11/27/2018	13:24	-3	0	0.07	0.02	0	36.1	0.934
7MKS_0187.LAB	11/27/2018	13:24	-2	0.01	0.2	0.02	0	36.1	0.934
7MKS_0188.LAB	11/27/2018	13:25	-3	-0.02	0.17	0.02	0	36.1	0.934
7MKS_0189.LAB	11/27/2018	13:25	-3	0.07	0.11	0.02	0	36	0.934
7MKS_0190.LAB	11/27/2018	13:25	-3	-0.05	0.11	0.02	0	36.1	0.934
7MKS_0191.LAB	11/27/2018	13:25	-3	0	0.03	0.02	0	36.1	0.934
7MKS_0192.LAB	11/27/2018	13:26	-4	-0.05	0.12	0.02	0	36.1	0.934
7MKS_0193.LAB	11/27/2018	13:26	-4	-0.05	0.05	0.02	0	36.1	0.934
7MKS_0194.LAB	11/27/2018	13:26	-5	-0.02	0.13	0.02	0	36	0.934
7MKS_0195.LAB	11/27/2018	13:26	-4	0.07	0.11	0.02	0	36	0.934
7MKS_0196.LAB	11/27/2018	13:27	-4	-0.06	0.02	0.02	0	36	0.934
7MKS_0197.LAB	11/27/2018	13:27	-3	-0.03	0.02	0.02	0	36	0.934
7MKS_0198.LAB	11/27/2018	13:27	-4	0.01	0.1	0.02	0	36.1	0.934
7MKS_0199.LAB	11/27/2018	13:27	-4	0.01	0.08	0.02	0	36.1	0.934
7MKS_0200.LAB	11/27/2018	13:28	-5	0.01	0.11	0.02	0	36.1	0.934
7MKS_0201.LAB	11/27/2018	13:28	-5	-0.11	0.1	0.02	0	36.1	0.934
7MKS_0202.LAB	11/27/2018	13:28	-4	0.01	0.08	0.02	0	36.1	0.934
7MKS_0203.LAB	11/27/2018	13:28	-4	-0.05	0.12	0.02	0	36.1	0.934
7MKS_0204.LAB	11/27/2018	13:29	-5	-0.07	0.09	0.02	0	36.1	0.934
7MKS_0205.LAB	11/27/2018	13:29	-4	-0.03	0.17	0.02	0	36.1	0.934
7MKS_0206.LAB	11/27/2018	13:29	-5	-0.01	0.07	0.02	0	36.1	0.934
7MKS_0207.LAB	11/27/2018	13:29	-5	-0.03	0.05	0.02	0	36.1	0.934
7MKS_0208.LAB	11/27/2018	13:30	-5	0.01	0.01	0.02	0	36.1	0.934
7MKS_0209.LAB	11/27/2018	13:30	-5	0.06	0.04	0.02	0	36.1	0.934
7MKS_0210.LAB	11/27/2018	13:30	-5	0	0.03	0.02	0	36.1	0.934
7MKS_0211.LAB	11/27/2018	13:30	-5	-0.04	0.07	0.02	0	36.1	0.934
7MKS_0212.LAB	11/27/2018	13:31	-4	0.02	0.13	0.02	0	36.1	0.934
7MKS_0213.LAB	11/27/2018	13:31	3	0.08	0.07	0.02	0	36.1	0.934
7MKS_0214.LAB	11/27/2018	13:31	13	0	0.07	0.02	0	36.1	0.934
7MKS_0215.LAB	11/27/2018	13:31	16	-0.12	0.13	0.02	0	36.1	0.934
7MKS_0216.LAB	11/27/2018	13:32	10	0.01	0.04	0.02	0	36.1	0.934
7MKS_0217.LAB	11/27/2018	13:32	4	-0.08	0.13	0.02	0	36.1	0.934
7MKS_0218.LAB	11/27/2018	13:32	2	-0.03	0.12	0.02	0	36.1	0.934
7MKS_0219.LAB	11/27/2018	13:32	0	-0.03	0.07	0.02	0	36	0.934
7MKS_0220.LAB	11/27/2018	13:33	0	-0.01	0.14	0.02	0	36.1	0.934
7MKS_0221.LAB	11/27/2018	13:33	3	-0.08	0.03	0.02	0	36	0.934
7MKS_0222.LAB	11/27/2018	13:33	2	-0.01	0.12	0.02	0	36	0.934
7MKS_0223.LAB	11/27/2018	13:33	1	0.12	0.09	0.02	0	36.1	0.934
7MKS_0224.LAB	11/27/2018	13:34	0	0.04	0.08	0.02	0	36.1	0.934
7MKS_0225.LAB	11/27/2018	13:34	-1	0.06	0.09	0.02	0	36.1	0.933
7MKS_0226.LAB	11/27/2018	13:34	0	0.02	0.1	0.02	0	36	0.934
7MKS_0227.LAB	11/27/2018	13:34	1	-0.03	0.05	0.02	0	36	0.934
7MKS_0228.LAB	11/27/2018	13:35	3	-0.03	0.15	0.02	0	36	0.934

Spectrum(CTO Exhaust)	Date	Time	CO2 35C	ETHYLENE 35C	Ethylene oxide 35c	SULFUR HEXAFLUORIDE 25C	H2O% 35C	Temp (C)	Pressure (Atm)
7MKS_0229.LAB	11/27/2018	13:35	4	-0.05	0.09	0.02	0	36	0.934
7MKS_0230.LAB	11/27/2018	13:35	5	-0.03	0.05	0.02	0	36	0.934
7MKS_0231.LAB	11/27/2018	13:35	3	-0.05	0.01	0.02	0	36.1	0.934
7MKS_0232.LAB	11/27/2018	13:36	5	0.01	0.09	0.02	0	36.1	0.933
7MKS_0233.LAB	11/27/2018	13:36	5	-0.04	0.2	0.02	0	36.1	0.933
7MKS_0234.LAB	11/27/2018	13:36	5	-0.06	0	0.02	0	36.1	0.934
7MKS_0235.LAB	11/27/2018	13:36	8	-0.01	0.14	0.02	0	36.1	0.934
7MKS_0236.LAB	11/27/2018	13:37	9	0.03	0.04	0.02	0	36.1	0.933
7MKS_0237.LAB	11/27/2018	13:37	9	0.01	0.06	0.02	0	36.1	0.934
7MKS_0238.LAB	11/27/2018	13:37	73	0.03	0.26	0.02	0	36.1	0.934
7MKS_0239.LAB	11/27/2018	13:37	535	0.05	0.42	0.02	0	36.1	0.933
7MKS_0240.LAB	11/27/2018	13:38	1362	0.02	0.73	0.02	0	36.1	0.934
7MKS_0241.LAB	11/27/2018	13:38	2327	0.07	0.93	0.02	0	36.1	0.933
7MKS_0242.LAB	11/27/2018	13:38	3292	0.1	1.16	0.02	0	36.1	0.934
7MKS_0243.LAB	11/27/2018	13:38	4429	0.14	1.21	0.02	0.1	36.1	0.934
7MKS_0244.LAB	11/27/2018	13:39	5962	0.23	1.27	0.02	0.1	36.1	0.933
7MKS_0245.LAB	11/27/2018	13:39	6293	0.21	1.33	0.03	0.3	36.1	0.933
7MKS_0246.LAB	11/27/2018	13:39	6181	0.25	1.2	0.03	0.4	36.1	0.934
7MKS_0247.LAB	11/27/2018	13:39	5363	0.24	1.08	0.02	0.5	36.1	0.933
7MKS_0248.LAB	11/27/2018	13:40	4621	0.15	0.85	0.02	0.6	36.1	0.934
7MKS_0249.LAB	11/27/2018	13:40	4018	0.11	0.66	0.02	0.6	36.1	0.933
7MKS_0250.LAB	11/27/2018	13:40	3351	0.11	0.43	0.02	0.6	36.1	0.933
7MKS_0251.LAB	11/27/2018	13:40	2800	0.08	0.26	0.02	0.6	36.2	0.933
7MKS_0252.LAB	11/27/2018	13:41	2342	0.02	0.05	0.02	0.6	36.1	0.933
7MKS_0253.LAB	11/27/2018	13:41	2035	0.05	0.04	0.02	0.6	36	0.933
7MKS_0254.LAB	11/27/2018	13:41	1754	0.03	0.02	0.02	0.6	36.1	0.934
7MKS_0255.LAB	11/27/2018	13:41	1421	0.02	0	0.02	0.6	36.1	0.933
7MKS_0256.LAB	11/27/2018	13:42	1146	-0.04	0	0.02	0.6	36.1	0.933
7MKS_0257.LAB	11/27/2018	13:42	1054	0.05	0	0.02	0.6	36.1	0.933
7MKS_0258.LAB	11/27/2018	13:42	1070	0.02	0	0.02	0.6	36	0.933
7MKS_0259.LAB	11/27/2018	13:42	983	-0.01	0	0.02	0.6	36.1	0.933
7MKS_0260.LAB	11/27/2018	13:43	809	0.07	0	0.02	0.6	36.1	0.933
7MKS_0261.LAB	11/27/2018	13:43	650	0.03	0	0.02	0.6	36.1	0.933
7MKS_0262.LAB	11/27/2018	13:43	562	0.04	0	0.02	0.6	36.1	0.933
7MKS_0263.LAB	11/27/2018	13:43	545	0.11	0	0.02	0.6	36	0.933
7MKS_0264.LAB	11/27/2018	13:44	531	0.02	0	0.02	0.6	36.1	0.933
7MKS_0265.LAB	11/27/2018	13:44	457	0.06	0	0.02	0.6	36.1	0.933
7MKS_0266.LAB	11/27/2018	13:44	359	0.02	0	0.02	0.6	36.1	0.933
7MKS_0267.LAB	11/27/2018	13:44	300	0.02	0	0.02	0.6	36.1	0.933
7MKS_0268.LAB	11/27/2018	13:45	236	-0.01	0	0.02	0.6	36.1	0.933
7MKS_0269.LAB	11/27/2018	13:45	188	0.1	0	0.02	0.6	36.1	0.933
7MKS_0270.LAB	11/27/2018	13:45	154	0.02	0	0.02	0.6	36	0.933
7MKS_0271.LAB	11/27/2018	13:45	129	0.04	0	0.02	0.6	36.1	0.933
7MKS_0272.LAB	11/27/2018	13:46	107	0.1	0	0.02	0.6	36.1	0.933
7MKS_0273.LAB	11/27/2018	13:46	90	0.05	0	0.02	0.6	36	0.933
7MKS_0274.LAB	11/27/2018	13:46	76	0	0	0.02	0.6	36	0.933
7MKS_0275.LAB	11/27/2018	13:46	67	-0.02	0	0.02	0.6	36	0.933
7MKS_0276.LAB	11/27/2018	13:47	59	0.07	-0.25	0.02	0.6	36.1	0.933
7MKS_0277.LAB	11/27/2018	13:47	51	0.03	-0.28	0.02	0.6	36	0.933
7MKS_0278.LAB	11/27/2018	13:47	46	0.03	-0.3	0.02	0.6	36.1	0.933
7MKS_0279.LAB	11/27/2018	13:47	43	0.08	-0.25	0.02	0.6	36.1	0.933
7MKS_0280.LAB	11/27/2018	13:48	39	0.04	-0.31	0.02	0.6	36.1	0.933
7MKS_0281.LAB	11/27/2018	13:48	36	0.04	-0.24	0.02	0.6	36.1	0.933
7MKS_0282.LAB	11/27/2018	13:48	31	0.01	-0.13	0.02	0.5	36.1	0.933
7MKS_0283.LAB	11/27/2018	13:48	29	0.05	-0.24	0.02	0.5	36.1	0.933
7MKS_0284.LAB	11/27/2018	13:49	27	0.07	-0.25	0.02	0.5	36.1	0.933
7MKS_0285.LAB	11/27/2018	13:49	26	-0.02	-0.17	0.02	0.5	36	0.933
7MKS_0286.LAB	11/27/2018	13:49	28	0.06	-0.15	0.02	0.5	36	0.933
7MKS_0287.LAB	11/27/2018	13:49	25	0.04	-0.27	0.02	0.5	36.1	0.933
7MKS_0288.LAB	11/27/2018	13:50	23	-0.07	-0.2	0.02	0.5	36	0.933
7MKS_0289.LAB	11/27/2018	13:50	24	0.02	-0.19	0.02	0.5	36.1	0.933
7MKS_0290.LAB	11/27/2018	13:50	23	0.06	-0.22	0.02	0.5	36.1	0.933
7MKS_0291.LAB	11/27/2018	13:50	21	0.05	-0.09	0.02	0.5	36.1	0.933
7MKS_0292.LAB	11/27/2018	13:51	19	0.06	-0.14	0.02	0.5	36	0.933
7MKS_0293.LAB	11/27/2018	13:51	17	0.09	-0.2	0.02	0.5	36.1	0.933
7MKS_0294.LAB	11/27/2018	13:51	15	0.01	-0.26	0.02	0.5	36	0.933
7MKS_0295.LAB	11/27/2018	13:51	15	-0.03	-0.31	0.02	0.5	36	0.933
7MKS_0296.LAB	11/27/2018	13:52	13	0	-0.14	0.02	0.5	36.1	0.933
7MKS_0297.LAB	11/27/2018	13:52	11	-0.02	-0.2	0.02	0.5	36.1	0.933
7MKS_0298.LAB	11/27/2018	13:52	10	-0.07	-0.17	0.02	0.5	36	0.933
7MKS_0299.LAB	11/27/2018	13:52	10	0.01	-0.16	0.02	0.4	36	0.933
7MKS_0300.LAB	11/27/2018	13:53	11	0	-0.15	0.02	0.4	36	0.933
7MKS_0301.LAB	11/27/2018	13:53	9	0	-0.15	0.02	0.4	36	0.933
7MKS_0302.LAB	11/27/2018	13:53	9	-0.01	-0.19	0.02	0.4	36.1	0.933
7MKS_0303.LAB	11/27/2018	13:53	7	0.03	-0.12	0.02	0.4	36.1	0.933
7MKS_0304.LAB	11/27/2018	13:54	8	0.06	-0.15	0.02	0.4	36.1	0.933
7MKS_0305.LAB	11/27/2018	13:54	7	0.06	-0.13	0.02	0.4	36.1	0.933

Run 1
13:36 - 13:46

SF6 Airflow Conv

Average (PPMv)

0.30

Spectrum(CTO Exhaust)	Date	Time	CO2 35C	ETHYLENE 35C	Ethylene oxide 35c	SULFUR HEXAFLUORIDE 25C	H2O% 35C	Temp (C)	Pressure (Atm)
7MKS_0306.LAB	11/27/2018	13:54	6	0.04	-0.12	0.02	0.4	36	0.933
7MKS_0307.LAB	11/27/2018	13:54	5	0.01	-0.05	0.02	0.3	36.1	0.933
7MKS_0308.LAB	11/27/2018	13:55	4	-0.07	-0.05	0.02	0.3	36	0.933
7MKS_0309.LAB	11/27/2018	13:55	4	0.05	-0.14	0.01	0.3	36	0.933
7MKS_0310.LAB	11/27/2018	13:55	4	0.04	-0.05	0.02	0.3	36.1	0.933
7MKS_0311.LAB	11/27/2018	13:55	5	0.03	-0.06	0.02	0.3	36.1	0.933
7MKS_0312.LAB	11/27/2018	13:56	3	-0.01	0	0.02	0.3	36.1	0.933
7MKS_0313.LAB	11/27/2018	13:56	2	0.04	-0.06	0.02	0.3	36.1	0.933
7MKS_0314.LAB	11/27/2018	13:56	1	-0.03	-0.09	0.02	0.3	36.1	0.933
7MKS_0315.LAB	11/27/2018	13:56	-1	0	-0.07	0.02	0.3	36.1	0.933
7MKS_0316.LAB	11/27/2018	13:57	-1	0.08	-0.03	0.02	0.3	36.1	0.933
7MKS_0317.LAB	11/27/2018	13:57	2	-0.03	-0.05	0.02	0.3	36.1	0.933
7MKS_0318.LAB	11/27/2018	13:57	0	0.04	-0.03	0.02	0.3	36.1	0.933
7MKS_0319.LAB	11/27/2018	13:57	1	0.02	-0.11	0.02	0.2	36.1	0.933
7MKS_0320.LAB	11/27/2018	13:58	-1	0.05	0.01	0.02	0.2	36.1	0.933
7MKS_0321.LAB	11/27/2018	13:58	0	0	-0.03	0.02	0.2	36.1	0.933
7MKS_0322.LAB	11/27/2018	13:58	13	-0.1	0	0.02	0.2	36.1	0.933
7MKS_0323.LAB	11/27/2018	13:58	35	0.02	0.04	0.02	0.2	36	0.933
7MKS_0324.LAB	11/27/2018	13:59	39	-0.02	0.06	0.02	0.2	36.1	0.933
7MKS_0325.LAB	11/27/2018	13:59	38	0.01	-0.03	0.02	0.2	36.1	0.933
7MKS_0326.LAB	11/27/2018	13:59	41	-0.03	0	0.02	0.1	36	0.933
7MKS_0327.LAB	11/27/2018	13:59	56	0	0.05	0.02	0.1	36.1	0.933
7MKS_0328.LAB	11/27/2018	14:00	71	-0.04	0.04	0.02	0.1	36.1	0.933
7MKS_0329.LAB	11/27/2018	14:00	98	0	0.21	0.02	0.1	36	0.933
7MKS_0330.LAB	11/27/2018	14:00	353	-0.03	0.29	0.02	0.1	36.1	0.933
7MKS_0331.LAB	11/27/2018	14:00	1079	-0.01	0.73	0.02	0.1	36.1	0.933
7MKS_0332.LAB	11/27/2018	14:01	2046	0.02	1.02	0.02	0.1	36.1	0.933
7MKS_0333.LAB	11/27/2018	14:01	3095	0.01	1.05	0.02	0.1	36.1	0.933
7MKS_0334.LAB	11/27/2018	14:01	4179	0.22	1.19	0.02	0.2	36	0.933
7MKS_0335.LAB	11/27/2018	14:01	5576	0.24	1.3	0.02	0.2	36.1	0.933
7MKS_0336.LAB	11/27/2018	14:02	6266	0.28	1.32	0.02	0.3	36.1	0.933
7MKS_0337.LAB	11/27/2018	14:02	6089	0.27	1.22	0.02	0.4	36.1	0.933
7MKS_0338.LAB	11/27/2018	14:02	5665	0.21	1.18	0.02	0.5	36.1	0.933
7MKS_0339.LAB	11/27/2018	14:02	5229	0.19	0.95	0.03	0.6	36	0.933
7MKS_0340.LAB	11/27/2018	14:03	4676	0.07	0.78	0.02	0.6	36.1	0.933
7MKS_0341.LAB	11/27/2018	14:03	4003	0.13	0.47	0.02	0.6	36	0.933
7MKS_0342.LAB	11/27/2018	14:03	3375	0.14	0.35	0.02	0.6	36.1	0.933
7MKS_0343.LAB	11/27/2018	14:03	2798	0.03	0.08	0.02	0.6	36	0.933
7MKS_0344.LAB	11/27/2018	14:04	2408	0.04	0.22	0.02	0.6	36.1	0.933
7MKS_0345.LAB	11/27/2018	14:04	2189	0.09	0.05	0.02	0.6	36	0.933
7MKS_0346.LAB	11/27/2018	14:04	1848	0.1	0.05	0.02	0.6	36	0.933
7MKS_0347.LAB	11/27/2018	14:04	1474	0.02	0.01	0.02	0.6	36	0.933
7MKS_0348.LAB	11/27/2018	14:05	1107	0.04	0	0.02	0.6	36	0.933
7MKS_0349.LAB	11/27/2018	14:05	883	0	0	0.02	0.6	36	0.933
7MKS_0350.LAB	11/27/2018	14:05	917	0.06	0	0.02	0.6	36.1	0.933
7MKS_0351.LAB	11/27/2018	14:05	834	0.08	0	0.02	0.6	36	0.933
7MKS_0352.LAB	11/27/2018	14:06	612	0.04	0	0.02	0.6	36	0.933
7MKS_0353.LAB	11/27/2018	14:06	447	0	0	0.02	0.6	36	0.933
7MKS_0354.LAB	11/27/2018	14:06	321	0.04	0	0.02	0.6	36	0.933
7MKS_0355.LAB	11/27/2018	14:06	305	0.02	0	0.02	0.6	36	0.933
7MKS_0356.LAB	11/27/2018	14:07	376	-0.04	0	0.02	0.6	36.1	0.933
7MKS_0357.LAB	11/27/2018	14:07	370	0.02	0	0.02	0.6	36	0.933
7MKS_0358.LAB	11/27/2018	14:07	323	0.05	0	0.02	0.6	36	0.933
7MKS_0359.LAB	11/27/2018	14:07	323	-0.04	0	0.02	0.6	36	0.933
7MKS_0360.LAB	11/27/2018	14:08	377	0.03	0	0.02	0.6	36	0.933
7MKS_0361.LAB	11/27/2018	14:08	400	0.04	0	0.02	0.6	36	0.933
7MKS_0362.LAB	11/27/2018	14:08	359	0.02	0	0.02	0.6	36	0.933
7MKS_0363.LAB	11/27/2018	14:08	281	0.04	0	0.02	0.6	36	0.933
7MKS_0364.LAB	11/27/2018	14:09	224	0.01	0	0.02	0.6	36	0.933
7MKS_0365.LAB	11/27/2018	14:09	188	0.01	0	0.02	0.6	36.1	0.933
7MKS_0366.LAB	11/27/2018	14:09	159	0.07	0	0.02	0.6	36	0.933
7MKS_0367.LAB	11/27/2018	14:09	129	0	0	0.02	0.5	36.1	0.933
7MKS_0368.LAB	11/27/2018	14:10	107	0.02	-0.24	0.02	0.5	36.1	0.933
7MKS_0369.LAB	11/27/2018	14:10	90	0.04	-0.21	0.02	0.5	36	0.933
7MKS_0370.LAB	11/27/2018	14:10	78	-0.07	-0.22	0.02	0.5	36.1	0.933
7MKS_0371.LAB	11/27/2018	14:10	64	0.08	-0.16	0.02	0.5	36.1	0.933
7MKS_0372.LAB	11/27/2018	14:11	54	0	-0.1	0.02	0.5	36	0.933
7MKS_0373.LAB	11/27/2018	14:11	47	-0.07	-0.14	0.02	0.5	36	0.933
7MKS_0374.LAB	11/27/2018	14:11	42	-0.02	-0.21	0.02	0.5	36.1	0.933
7MKS_0375.LAB	11/27/2018	14:11	39	0.02	-0.22	0.02	0.5	36	0.933
7MKS_0376.LAB	11/27/2018	14:12	34	0.05	-0.16	0.02	0.5	36.1	0.933
7MKS_0377.LAB	11/27/2018	14:12	30	0.02	-0.17	0.02	0.4	36	0.933
7MKS_0378.LAB	11/27/2018	14:12	27	0.02	-0.06	0.02	0.4	36.1	0.933
7MKS_0379.LAB	11/27/2018	14:12	22	-0.01	-0.12	0.02	0.4	36.1	0.933
7MKS_0380.LAB	11/27/2018	14:13	23	0.01	-0.18	0.02	0.4	36.1	0.933
7MKS_0381.LAB	11/27/2018	14:13	20	-0.01	-0.08	0.02	0.4	36.1	0.933
7MKS_0382.LAB	11/27/2018	14:13	18	0.06	-0.08	0.02	0.4	36.1	0.933

Run 2
13:59 - 14:09Average (PPMv)
0.30

Spectrum(CTO Exhaust)	Date	Time	CO2 35C	ETHYLENE 35C	Ethylene oxide 35c	SULFUR HEXAFLUORIDE 25C	H2O% 35C	Temp (C)	Pressure (Atm)	
7MKS_0383.LAB	11/27/2018	14:13	15	0.02	-0.2	0.02	0.4	36	0.933	
7MKS_0384.LAB	11/27/2018	14:14	13	0.02	-0.08	0.02	0.3	36.1	0.933	
7MKS_0385.LAB	11/27/2018	14:14	12	0.07	0	0.02	0.3	36.1	0.933	Run 3
7MKS_0386.LAB	11/27/2018	14:14	11	0.02	0	0.02	0.3	36.1	0.933	
7MKS_0387.LAB	11/27/2018	14:14	17	0.04	0	0.02	0.3	36.1	0.933	
7MKS_0388.LAB	11/27/2018	14:15	47	-0.02	0.03	0.02	0.3	36.1	0.933	
7MKS_0389.LAB	11/27/2018	14:15	222	0.03	0.19	0.02	0.3	36.1	0.933	
7MKS_0390.LAB	11/27/2018	14:15	878	0.02	0.45	0.02	0.3	36.1	0.933	
7MKS_0391.LAB	11/27/2018	14:15	1773	0.06	0.77	0.02	0.3	36.1	0.933	
7MKS_0392.LAB	11/27/2018	14:16	2726	0.01	0.92	0.02	0.3	36.1	0.933	
7MKS_0393.LAB	11/27/2018	14:16	3758	0.07	1.01	0.02	0.3	36.1	0.933	
7MKS_0394.LAB	11/27/2018	14:16	4943	0.13	1.11	0.02	0.3	36.1	0.933	
7MKS_0395.LAB	11/27/2018	14:16	6153	0.21	1.13	0.02	0.4	36.1	0.933	
7MKS_0396.LAB	11/27/2018	14:17	6179	0.24	1.03	0.02	0.5	36.1	0.933	
7MKS_0397.LAB	11/27/2018	14:17	5770	0.21	1.01	0.02	0.6	36	0.933	
7MKS_0398.LAB	11/27/2018	14:17	5418	0.18	0.81	0.02	0.6	36.1	0.933	
7MKS_0399.LAB	11/27/2018	14:17	4949	0.18	0.83	0.02	0.7	36.1	0.933	
7MKS_0400.LAB	11/27/2018	14:18	4360	0.14	0.61	0.02	0.7	36.1	0.933	
7MKS_0401.LAB	11/27/2018	14:18	3766	0.11	0.45	0.02	0.7	36.1	0.933	
7MKS_0402.LAB	11/27/2018	14:18	3163	0.13	0.32	0.02	0.7	36	0.933	
7MKS_0403.LAB	11/27/2018	14:18	2626	0.07	0.18	0.02	0.7	36	0.933	
7MKS_0404.LAB	11/27/2018	14:19	2205	0.08	0.12	0.02	0.7	36	0.933	
7MKS_0405.LAB	11/27/2018	14:19	1904	0.03	0	0.02	0.7	36	0.933	
7MKS_0406.LAB	11/27/2018	14:19	1593	0	0	0.02	0.7	36	0.933	
7MKS_0407.LAB	11/27/2018	14:19	1266	0.14	0	0.02	0.7	36	0.933	
7MKS_0408.LAB	11/27/2018	14:20	954	0.04	0	0.02	0.7	36	0.933	
7MKS_0409.LAB	11/27/2018	14:20	857	0.02	0	0.02	0.7	36	0.933	
7MKS_0410.LAB	11/27/2018	14:20	877	0.05	0	0.02	0.7	36	0.933	
7MKS_0411.LAB	11/27/2018	14:20	703	-0.03	0	0.02	0.7	36	0.933	
7MKS_0412.LAB	11/27/2018	14:21	555	-0.01	0	0.02	0.7	36.1	0.933	
7MKS_0413.LAB	11/27/2018	14:21	533	0.04	0	0.02	0.7	36.1	0.933	
7MKS_0414.LAB	11/27/2018	14:21	469	-0.02	0	0.02	0.7	36.1	0.933	
7MKS_0415.LAB	11/27/2018	14:21	377	0.07	0	0.02	0.7	36	0.933	
7MKS_0416.LAB	11/27/2018	14:22	327	0.03	0	0.02	0.6	36.1	0.933	
7MKS_0417.LAB	11/27/2018	14:22	340	0.02	0	0.02	0.6	36	0.933	
7MKS_0418.LAB	11/27/2018	14:22	314	0.01	0	0.02	0.6	36.1	0.933	
7MKS_0419.LAB	11/27/2018	14:22	306	0	0	0.02	0.6	36.1	0.933	
7MKS_0420.LAB	11/27/2018	14:23	313	0.01	0	0.02	0.6	36.1	0.933	
7MKS_0421.LAB	11/27/2018	14:23	286	0	0	0.02	0.6	36.1	0.933	
7MKS_0422.LAB	11/27/2018	14:23	246	0.03	0	0.02	0.6	36	0.933	
7MKS_0423.LAB	11/27/2018	14:23	248	0	0	0.02	0.6	36.1	0.933	
7MKS_0424.LAB	11/27/2018	14:24	281	0	0	0.02	0.6	36.1	0.933	
7MKS_0425.LAB	11/27/2018	14:24	304	-0.04	0	0.02	0.6	36.1	0.933	
7MKS_0426.LAB	11/27/2018	14:24	273	0.02	0	0.02	0.6	36.1	0.933	
7MKS_0427.LAB	11/27/2018	14:24	221	0	0	0.02	0.6	36.1	0.933	Average (PPMv) 0.26
7MKS_0428.LAB	11/27/2018	14:25	171	0.05	-0.23	0.02	0.5	36.1	0.933	
7MKS_0429.LAB	11/27/2018	14:25	133	0.04	-0.13	0.02	0.5	36.1	0.933	
7MKS_0430.LAB	11/27/2018	14:25	109	-0.02	-0.28	0.02	0.5	36.1	0.933	
7MKS_0431.LAB	11/27/2018	14:25	92	0.09	-0.19	0.02	0.5	36.1	0.933	
7MKS_0432.LAB	11/27/2018	14:26	81	0.12	-0.21	0.02	0.5	36	0.933	
7MKS_0433.LAB	11/27/2018	14:26	69	0.01	-0.11	0.02	0.5	36.1	0.933	
7MKS_0434.LAB	11/27/2018	14:26	59	-0.09	-0.2	0.02	0.5	36.1	0.933	
7MKS_0435.LAB	11/27/2018	14:26	53	-0.04	-0.1	0.02	0.5	36.1	0.933	
7MKS_0436.LAB	11/27/2018	14:27	49	-0.01	-0.16	0.02	0.5	36.1	0.933	
7MKS_0437.LAB	11/27/2018	14:27	44	0.06	-0.08	0.02	0.5	36.1	0.933	
7MKS_0438.LAB	11/27/2018	14:27	39	-0.04	-0.23	0.02	0.5	36.1	0.933	
7MKS_0439.LAB	11/27/2018	14:27	35	-0.02	-0.12	0.02	0.5	36.1	0.933	
7MKS_0440.LAB	11/27/2018	14:28	31	0.06	-0.13	0.02	0.4	36.1	0.933	
7MKS_0441.LAB	11/27/2018	14:28	28	0.05	-0.13	0.02	0.4	36.1	0.933	
7MKS_0442.LAB	11/27/2018	14:28	26	0.06	-0.07	0.02	0.4	36	0.933	
7MKS_0443.LAB	11/27/2018	14:28	25	0.01	-0.04	0.02	0.4	36.1	0.933	
7MKS_0444.LAB	11/27/2018	14:29	22	0.02	-0.07	0.02	0.4	36.1	0.933	
7MKS_0445.LAB	11/27/2018	14:29	19	-0.03	-0.14	0.02	0.4	36.1	0.933	
7MKS_0446.LAB	11/27/2018	14:29	19	-0.05	-0.15	0.02	0.4	36.1	0.933	
7MKS_0447.LAB	11/27/2018	14:29	18	0.05	-0.11	0.02	0.4	36.1	0.933	
7MKS_0448.LAB	11/27/2018	14:30	17	0.04	-0.02	0.02	0.3	36	0.933	
7MKS_0449.LAB	11/27/2018	14:30	14	-0.01	-0.13	0.02	0.3	36.1	0.933	
7MKS_0450.LAB	11/27/2018	14:30	13	0.05	-0.03	0.02	0.3	36	0.933	
7MKS_0451.LAB	11/27/2018	14:30	11	-0.03	-0.1	0.02	0.3	36.1	0.933	
7MKS_0452.LAB	11/27/2018	14:31	11	0.02	-0.01	0.02	0.3	36.1	0.933	
7MKS_0453.LAB	11/27/2018	14:31	10	-0.04	-0.08	0.02	0.3	36.1	0.933	
7MKS_0454.LAB	11/27/2018	14:31	9	0.02	-0.12	0.02	0.3	36.1	0.933	
7MKS_0455.LAB	11/27/2018	14:31	9	0.05	-0.09	0.02	0.3	36.1	0.933	
7MKS_0456.LAB	11/27/2018	14:32	10	0.09	0.04	0.02	0.3	36.1	0.933	
7MKS_0457.LAB	11/27/2018	14:32	7	-0.02	0.09	0.02	0.2	36.1	0.933	
7MKS_0458.LAB	11/27/2018	14:32	5	0.03	-0.02	0.02	0.2	36.1	0.933	
7MKS_0459.LAB	11/27/2018	14:32	6	0	0.02	0.02	0.2	36.1	0.933	

Spectrum(CTO Exhaust)	Date	Time	CO2 35C	ETHYLENE 35C	Ethylene oxide 35c	SULFUR HEXAFLUORIDE 25C	H2O% 35C	Temp (C)	Pressure (Atm)
7MKS_0460.LAB	11/27/2018	14:33	5	0	0.06	0.02	0.2	36.1	0.933
7MKS_0461.LAB	11/27/2018	14:33	5	0.05	0.06	0.02	0.2	36.1	0.933
7MKS_0462.LAB	11/27/2018	14:33	7	0.07	-0.06	0.02	0.1	36.1	0.933
7MKS_0463.LAB	11/27/2018	14:33	10	0.01	0.04	0.02	0.1	36.1	0.933
7MKS_0464.LAB	11/27/2018	14:34	9	0.06	0.01	0.02	0.1	36.1	0.933
7MKS_0465.LAB	11/27/2018	14:34	6	0.02	-0.05	0.02	0.1	36.1	0.933
7MKS_0466.LAB	11/27/2018	14:34	4	0.03	0.07	0.02	0.1	36.1	0.933
7MKS_0467.LAB	11/27/2018	14:34	3	0.01	0.06	0.02	0.1	36.1	0.933
7MKS_0468.LAB	11/27/2018	14:35	3	0.01	0.04	0.02	0.1	36.1	0.933
7MKS_0469.LAB	11/27/2018	14:35	2	-0.03	0.08	0.02	0.1	36.1	0.933
7MKS_0470.LAB	11/27/2018	14:35	3	0.03	0	0.02	0.1	36.1	0.933
7MKS_0471.LAB	11/27/2018	14:35	3	-0.07	0.05	0.02	0.1	36.1	0.933
7MKS_0472.LAB	11/27/2018	14:36	5	-0.01	-0.06	0.02	0.1	36.1	0.933
7MKS_0473.LAB	11/27/2018	14:36	4	0.01	0.08	0.02	0.1	36.1	0.933
7MKS_0474.LAB	11/27/2018	14:36	5	-0.01	0.1	0.02	0.1	36.1	0.933
7MKS_0475.LAB	11/27/2018	14:36	5	0.02	-0.02	0.02	0.1	36.1	0.933
7MKS_0476.LAB	11/27/2018	14:37	4	0.01	0.08	0.02	0.1	36.1	0.933
7MKS_0477.LAB	11/27/2018	14:37	3	-0.02	0.16	0.02	0	36.1	0.933
7MKS_0478.LAB	11/27/2018	14:37	2	-0.06	0.1	0.02	0	36.1	0.933
7MKS_0479.LAB	11/27/2018	14:37	1	-0.03	0.11	0.02	0	36.1	0.933
7MKS_0480.LAB	11/27/2018	14:38	1	-0.06	0.03	0.02	0	36.1	0.933
7MKS_0481.LAB	11/27/2018	14:38	2	-0.03	0.2	0.02	0	36	0.933
7MKS_0482.LAB	11/27/2018	14:38	3	0.02	0.02	0.02	0	36.1	0.933
7MKS_0483.LAB	11/27/2018	14:38	12	0.01	0.12	0.02	0	36.1	0.933
7MKS_0484.LAB	11/27/2018	14:39	109	0.01	0.15	0.02	0	36	0.933
7MKS_0485.LAB	11/27/2018	14:39	635	0.02	0.59	0.02	0	36.1	0.933
7MKS_0486.LAB	11/27/2018	14:39	1512	0.01	0.82	0.02	0	36.1	0.933
7MKS_0487.LAB	11/27/2018	14:39	2456	0.01	1.08	0.02	0	36.1	0.933
7MKS_0488.LAB	11/27/2018	14:40	3598	0.03	1.18	0.02	0	36.1	0.933
7MKS_0489.LAB	11/27/2018	14:40	4948	0.21	1.23	0.02	0.1	36	0.933
7MKS_0490.LAB	11/27/2018	14:40	6223	0.24	1.12	0.03	0.1	36	0.933
7MKS_0491.LAB	11/27/2018	14:40	6312	0.14	1.19	0.03	0.2	36.1	0.933
7MKS_0492.LAB	11/27/2018	14:41	6055	0.24	1.17	0.02	0.3	36.1	0.933
7MKS_0493.LAB	11/27/2018	14:41	5439	0.18	1	0.02	0.4	36	0.933
7MKS_0494.LAB	11/27/2018	14:41	4793	0.15	0.86	0.02	0.5	36	0.933
7MKS_0495.LAB	11/27/2018	14:41	4264	0.03	0.66	0.03	0.6	36	0.933
7MKS_0496.LAB	11/27/2018	14:42	3677	0.13	0.45	0.02	0.6	36	0.933
7MKS_0497.LAB	11/27/2018	14:42	3133	0.12	0.22	0.02	0.6	36	0.933
7MKS_0498.LAB	11/27/2018	14:42	2671	0.14	0.25	0.02	0.6	36	0.933
7MKS_0499.LAB	11/27/2018	14:42	2311	0.11	0.05	0.02	0.6	36	0.933
7MKS_0500.LAB	11/27/2018	14:43	1984	0.07	0.01	0.02	0.6	36	0.933
7MKS_0501.LAB	11/27/2018	14:43	1544	-0.01	0	0.02	0.6	36	0.933
7MKS_0502.LAB	11/27/2018	14:43	1220	0.01	0	0.02	0.6	36.1	0.933
7MKS_0503.LAB	11/27/2018	14:43	984	0.05	0	0.02	0.6	36.1	0.933
7MKS_0504.LAB	11/27/2018	14:44	813	0.02	0	0.02	0.6	36	0.933
7MKS_0505.LAB	11/27/2018	14:44	801	0.05	0	0.02	0.6	36	0.933
7MKS_0506.LAB	11/27/2018	14:44	786	0.01	0	0.02	0.6	36	0.933
7MKS_0507.LAB	11/27/2018	14:44	679	0.02	0	0.02	0.5	36	0.933
7MKS_0508.LAB	11/27/2018	14:45	566	0.03	0	0.02	0.5	36	0.933
7MKS_0509.LAB	11/27/2018	14:45	472	0	0	0.02	0.5	36	0.933
7MKS_0510.LAB	11/27/2018	14:45	431	0	0	0.02	0.5	36	0.933
7MKS_0511.LAB	11/27/2018	14:45	404	-0.03	0	0.02	0.5	36.1	0.933
7MKS_0512.LAB	11/27/2018	14:46	384	0.01	0	0.02	0.4	36.1	0.933
7MKS_0513.LAB	11/27/2018	14:46	334	0.04	0	0.02	0.4	36	0.933
7MKS_0514.LAB	11/27/2018	14:46	277	0.03	0	0.02	0.4	36	0.933
7MKS_0515.LAB	11/27/2018	14:46	261	0.01	0	0.02	0.4	36	0.933
7MKS_0516.LAB	11/27/2018	14:47	247	-0.01	0	0.02	0.4	36	0.933
7MKS_0517.LAB	11/27/2018	14:47	214	0.01	0	0.02	0.4	36	0.933
7MKS_0518.LAB	11/27/2018	14:47	173	-0.07	0	0.02	0.3	36	0.933
7MKS_0519.LAB	11/27/2018	14:47	143	0	0	0.02	0.3	36	0.933
7MKS_0520.LAB	11/27/2018	14:48	130	-0.02	0	0.02	0.3	36	0.933
7MKS_0521.LAB	11/27/2018	14:48	131	0	0	0.02	0.3	36	0.933
7MKS_0522.LAB	11/27/2018	14:48	122	-0.01	0	0.02	0.3	36	0.933
7MKS_0523.LAB	11/27/2018	14:48	108	-0.02	0	0.02	0.2	36	0.933
7MKS_0524.LAB	11/27/2018	14:49	94	-0.02	0.03	0.02	0.2	36	0.933
7MKS_0525.LAB	11/27/2018	14:49	81	0.05	0.02	0.02	0.2	36	0.933
7MKS_0526.LAB	11/27/2018	14:49	70	0.03	0.03	0.02	0.2	36.1	0.933
7MKS_0527.LAB	11/27/2018	14:49	60	-0.03	0.03	0.02	0.2	36	0.933
7MKS_0528.LAB	11/27/2018	14:50	54	-0.01	0	0.02	0.2	36	0.933
7MKS_0529.LAB	11/27/2018	14:50	51	0.01	0	0.02	0.2	36	0.933
7MKS_0531.LAB	11/27/2018	14:50	332	-0.01	0.24	0.02	0.2	36.1	0.933
7MKS_0532.LAB	11/27/2018	14:51	1156	0.05	0.67	0.02	0.2	36	0.933
7MKS_0533.LAB	11/27/2018	14:51	2247	-0.02	0.91	0.02	0.2	36	0.933
7MKS_0534.LAB	11/27/2018	14:51	3199	0.11	1.06	0.02	0.2	36	0.933
7MKS_0535.LAB	11/27/2018	14:51	4315	0.1	1.11	0.02	0.2	36.1	0.933
7MKS_0536.LAB	11/27/2018	14:52	5478	0.19	1.15	0.02	0.3	36	0.933
7MKS_0537.LAB	11/27/2018	14:52	6091	0.18	0.99	0.03	0.4	36	0.933

Run 5
14:50 - 15:00Run 4
14:38 - 14:48Average (PPMv)
0.28

Spectrum(CTO Exhaust)	Date	Time	CO2 35C	ETHYLENE 35C	Ethylene oxide 35c	SULFUR HEXAFLUORIDE 25C	H2O% 35C	Temp (C)	Pressure (Atm)
7MKS_0538.LAB	11/27/2018	14:52	5955	0.18	0.98	0.03	0.5	36	0.933
7MKS_0539.LAB	11/27/2018	14:52	5672	0.2	1.02	0.03	0.6	36	0.933
7MKS_0540.LAB	11/27/2018	14:53	5185	0.17	0.89	0.02	0.6	36	0.933
7MKS_0541.LAB	11/27/2018	14:53	4619	0.17	0.72	0.02	0.6	36.1	0.933
7MKS_0542.LAB	11/27/2018	14:53	3958	0.11	0.44	0.02	0.6	36	0.933
7MKS_0543.LAB	11/27/2018	14:53	3347	0.07	0.49	0.03	0.6	36	0.933
7MKS_0544.LAB	11/27/2018	14:54	2896	0.07	0.26	0.02	0.6	36	0.933
7MKS_0545.LAB	11/27/2018	14:54	2498	0.05	0.13	0.02	0.6	36	0.933
7MKS_0546.LAB	11/27/2018	14:54	2185	0.07	0.11	0.02	0.6	36.1	0.933
7MKS_0547.LAB	11/27/2018	14:54	1790	0.06	0	0.02	0.6	36	0.933
7MKS_0548.LAB	11/27/2018	14:55	1351	0.08	0	0.02	0.6	36	0.933
7MKS_0549.LAB	11/27/2018	14:55	1028	0.07	0	0.02	0.6	36	0.932
7MKS_0550.LAB	11/27/2018	14:55	824	-0.06	0	0.02	0.6	36	0.933
7MKS_0551.LAB	11/27/2018	14:55	805	0.06	0	0.02	0.6	36	0.933
7MKS_0552.LAB	11/27/2018	14:56	872	0	0	0.02	0.6	36.1	0.933
7MKS_0553.LAB	11/27/2018	14:56	813	0.06	0	0.02	0.6	36.1	0.933
7MKS_0554.LAB	11/27/2018	14:56	696	0.01	0	0.02	0.6	36	0.933
7MKS_0555.LAB	11/27/2018	14:56	613	0.05	0	0.02	0.6	36	0.933
7MKS_0556.LAB	11/27/2018	14:57	540	0.01	0	0.02	0.6	36	0.933
7MKS_0557.LAB	11/27/2018	14:57	478	0.05	0	0.02	0.6	36	0.933
7MKS_0558.LAB	11/27/2018	14:57	447	0.03	0	0.02	0.6	36	0.933
7MKS_0559.LAB	11/27/2018	14:57	428	0.03	0	0.02	0.6	36	0.933
7MKS_0560.LAB	11/27/2018	14:58	375	0.05	0	0.02	0.6	36	0.933
7MKS_0561.LAB	11/27/2018	14:58	320	0.01	0	0.02	0.6	36	0.933
7MKS_0562.LAB	11/27/2018	14:58	303	0.04	0	0.02	0.6	36	0.933
7MKS_0563.LAB	11/27/2018	14:58	325	-0.02	0	0.02	0.6	36	0.933
7MKS_0564.LAB	11/27/2018	14:59	349	0.09	0	0.02	0.6	36	0.933
7MKS_0565.LAB	11/27/2018	14:59	331	0.01	0	0.02	0.6	36.1	0.933
7MKS_0566.LAB	11/27/2018	14:59	288	-0.01	0	0.02	0.6	36	0.933
7MKS_0567.LAB	11/27/2018	14:59	251	-0.01	0	0.02	0.6	36.1	0.933
7MKS_0568.LAB	11/27/2018	15:00	243	0.08	0	0.02	0.6	36	0.933
7MKS_0569.LAB	11/27/2018	15:00	230	0.02	0	0.02	0.5	36	0.933
7MKS_0570.LAB	11/27/2018	15:00	202	0.02	0	0.02	0.5	36	0.933
7MKS_0571.LAB	11/27/2018	15:00	167	-0.03	0	0.02	0.5	36	0.933
									Average (PPMv) 0.26
7MKS_0572.LAB	11/27/2018	15:01	141	-0.02	-0.2	0.02	0.5	36	0.933
7MKS_0573.LAB	11/27/2018	15:01	125	-0.03	-0.25	0.02	0.5	36	0.933
7MKS_0574.LAB	11/27/2018	15:01	111	0.01	-0.17	0.02	0.5	36	0.933
7MKS_0575.LAB	11/27/2018	15:01	97	0.02	-0.13	0.02	0.5	36	0.933
7MKS_0576.LAB	11/27/2018	15:02	85	0.01	-0.13	0.02	0.5	36	0.933
7MKS_0577.LAB	11/27/2018	15:02	76	0	-0.05	0.02	0.5	36	0.932
7MKS_0578.LAB	11/27/2018	15:02	71	-0.04	-0.16	0.02	0.4	36	0.933
7MKS_0579.LAB	11/27/2018	15:02	65	-0.02	-0.15	0.02	0.4	36	0.933
7MKS_0580.LAB	11/27/2018	15:03	59	0.04	-0.18	0.02	0.4	36	0.933
7MKS_0581.LAB	11/27/2018	15:03	55	0.02	-0.05	0.02	0.4	36	0.932
7MKS_0582.LAB	11/27/2018	15:03	53	-0.01	-0.12	0.02	0.4	36	0.933
7MKS_0583.LAB	11/27/2018	15:03	53	-0.01	-0.14	0.02	0.4	36	0.932
7MKS_0584.LAB	11/27/2018	15:04	51	-0.03	-0.1	0.02	0.4	35.9	0.932
7MKS_0585.LAB	11/27/2018	15:04	51	0.07	-0.05	0.02	0.4	36	0.932
7MKS_0586.LAB	11/27/2018	15:04	63	-0.02	-0.05	0.02	0.4	36	0.932
7MKS_0587.LAB	11/27/2018	15:04	73	0.05	-0.04	0.02	0.3	36	0.932
7MKS_0588.LAB	11/27/2018	15:05	76	0.06	0.01	0.02	0.3	36	0.932
7MKS_0589.LAB	11/27/2018	15:05	77	0.02	-0.04	0.02	0.3	36	0.932
7MKS_0590.LAB	11/27/2018	15:05	70	0	0.05	0.02	0.3	36	0.932
7MKS_0591.LAB	11/27/2018	15:05	63	0.01	-0.08	0.02	0.3	36	0.932
7MKS_0592.LAB	11/27/2018	15:06	58	0.02	-0.1	0.02	0.3	36	0.933
7MKS_0593.LAB	11/27/2018	15:06	58	0.01	-0.04	0.02	0.3	36	0.932
7MKS_0594.LAB	11/27/2018	15:06	58	0	-0.04	0.02	0.3	36.1	0.932
7MKS_0595.LAB	11/27/2018	15:06	65	0.03	0.01	0.02	0.2	36	0.932
7MKS_0596.LAB	11/27/2018	15:07	71	0	-0.08	0.02	0.2	36	0.932
7MKS_0597.LAB	11/27/2018	15:07	76	-0.02	0.1	0.02	0.2	36	0.932
7MKS_0598.LAB	11/27/2018	15:07	76	-0.03	-0.01	0.02	0.2	36	0.933
7MKS_0599.LAB	11/27/2018	15:07	73	0.08	0.02	0.02	0.2	36.1	0.933
7MKS_0600.LAB	11/27/2018	15:08	64	-0.03	-0.01	0.02	0.2	36	0.933
7MKS_0601.LAB	11/27/2018	15:08	56	-0.02	-0.04	0.02	0.1	36	0.932
7MKS_0602.LAB	11/27/2018	15:08	54	0.03	0.03	0.02	0.1	36	0.932
7MKS_0603.LAB	11/27/2018	15:08	52	0.02	0.06	0.02	0.1	36	0.933
7MKS_0604.LAB	11/27/2018	15:09	57	0	0	0.02	0.1	36	0.932
7MKS_0605.LAB	11/27/2018	15:09	64	-0.08	-0.04	0.02	0.1	36	0.932
7MKS_0606.LAB	11/27/2018	15:09	59	0.06	0.04	0.02	0.1	36	0.932
7MKS_0607.LAB	11/27/2018	15:09	50	0.03	0.02	0.02	0.1	36	0.932
7MKS_0608.LAB	11/27/2018	15:10	41	0.09	0.08	0.02	0.1	36	0.932
7MKS_0609.LAB	11/27/2018	15:10	37	-0.05	0.04	0.02	0.1	36	0.932
7MKS_0610.LAB	11/27/2018	15:10	35	0.07	0.18	0.02	0.1	36	0.932
7MKS_0611.LAB	11/27/2018	15:10	37	-0.01	0	0.02	0.1	36	0.932
7MKS_0612.LAB	11/27/2018	15:11	36	-0.01	0.04	0.02	0.1	36	0.932
7MKS_0613.LAB	11/27/2018	15:11	32	-0.07	0.03	0.02	0.1	36	0.933
7MKS_0614.LAB	11/27/2018	15:11	30	0.05	0.09	0.02	0.1	36	Page 34 of 89

Spectrum(CTO Exhaust)	Date	Time	CO2 35C	ETHYLENE 35C	Ethylene oxide 35c	SULFUR HEXAFLUORIDE 25C	H2O% 35C	Temp (C)	Pressure (Atm)
7MKS_0615.LAB	11/27/2018	15:11	27	0	0.11	0.02	0.1	36	0.932
7MKS_0616.LAB	11/27/2018	15:12	26	0.03	0.08	0.02	0.1	36	0.932
7MKS_0617.LAB	11/27/2018	15:12	24	0.05	0.08	0.02	0	36	0.932
7MKS_0618.LAB	11/27/2018	15:12	22	-0.02	0.01	0.02	0	36	0.932
7MKS_0619.LAB	11/27/2018	15:12	20	0	0.02	0.02	0	36	0.933
7MKS_0620.LAB	11/27/2018	15:13	18	0	0.12	0.02	0	36	0.933
7MKS_0621.LAB	11/27/2018	15:13	17	-0.06	0.11	0.02	0	36	0.933
7MKS_0622.LAB	11/27/2018	15:13	15	-0.03	0.07	0.02	0	36	0.933
7MKS_0623.LAB	11/27/2018	15:13	14	0.04	0.05	0.02	0	36	0.933
7MKS_0624.LAB	11/27/2018	15:14	4	0.08	0.12	0	0	36	0.933
7MKS_0625.LAB	11/27/2018	15:14	7	0.02	0.07	0	0	36	0.933
7MKS_0626.LAB	11/27/2018	15:14	2	0.05	0.05	0	0	36	0.934
7MKS_0627.LAB	11/27/2018	15:14	3	-0.02	0.08	0	0	36	0.938
7MKS_0628.LAB	11/27/2018	15:16	4	-0.02	0.03	0	0	36	0.937
7MKS_0629.LAB	11/27/2018	15:16	4	-0.06	0.09	0	0	36	0.937
7MKS_0630.LAB	11/27/2018	15:17	4	0.06	0.1	0	0	36	0.937
7MKS_0631.LAB	11/27/2018	15:17	4	0.02	0.09	-0.01	0	36	0.937
7MKS_0632.LAB	11/27/2018	15:17	6	0.04	0	0	0	36	0.937
7MKS_0633.LAB	11/27/2018	15:17	7	-0.01	0.07	0	0	36	0.937
7MKS_0634.LAB	11/27/2018	15:18	9	0.02	0.1	0	0	36	0.936
7MKS_0635.LAB	11/27/2018	15:18	13	0	0.11	0	0	36	0.936
7MKS_0636.LAB	11/27/2018	15:18	-18	2.86	0.09	0.02	0	36	0.936
7MKS_0637.LAB	11/27/2018	15:18	-215	12.82	0.15	0.03	0	36	0.925
7MKS_0638.LAB	11/27/2018	15:19	-272	13.11	0.56	-0.01	-0.2	36	0.922
7MKS_0639.LAB	11/27/2018	15:19	-178	8.89	0.25	-0.01	-0.1	36	0.922
7MKS_0640.LAB	11/27/2018	15:19	-180	8.92	0.31	-0.01	-0.1	36	0.926
7MKS_0641.LAB	11/27/2018	15:19	-181	9.07	0.39	-0.01	-0.1	36	0.931
7MKS_0642.LAB	11/27/2018	15:20	-235	11.76	0.41	-0.01	-0.1	36	0.931
7MKS_0643.LAB	11/27/2018	15:20	-336	16.46	0.66	-0.01	-0.2	36	0.93
7MKS_0644.LAB	11/27/2018	15:20	-338	16.55	0.53	-0.02	-0.2	36	0.93
7MKS_0645.LAB	11/27/2018	15:20	-336	16.39	0.57	-0.01	-0.2	36	0.931
7MKS_0646.LAB	11/27/2018	15:21	-335	16.4	0.61	-0.01	-0.2	36.1	0.93
7MKS_0647.LAB	11/27/2018	15:21	-336	16.36	0.61	-0.01	-0.2	36	0.93
7MKS_0648.LAB	11/27/2018	15:21	-336	16.4	0.65	-0.01	-0.2	36	0.93
7MKS_0649.LAB	11/27/2018	15:21	-337	16.33	0.63	-0.02	-0.2	36	0.93
7MKS_0650.LAB	11/27/2018	15:22	-334	16.37	0.55	-0.01	-0.2	36.1	0.93
7MKS_0651.LAB	11/27/2018	15:22	-335	16.3	0.58	-0.01	-0.2	36.1	0.93
7MKS_0652.LAB	11/27/2018	15:22	-334	16.34	0.5	-0.02	-0.2	36	0.932
7MKS_0653.LAB	11/27/2018	15:22	-334	16.29	0.67	-0.01	-0.2	36	0.933
7MKS_0654.LAB	11/27/2018	15:23	-334	16.43	0.51	-0.02	-0.2	36	0.933
7MKS_0655.LAB	11/27/2018	15:23	-343	16.8	0.68	-0.01	-0.2	36	0.933
7MKS_0656.LAB	11/27/2018	15:23	-401	19.53	0.83	-0.01	-0.2	36	0.934
7MKS_0657.LAB	11/27/2018	15:23	-406	19.64	0.77	-0.01	-0.3	36	0.935
7MKS_0658.LAB	11/27/2018	15:24	-406	19.77	0.86	-0.01	-0.3	36	0.935
7MKS_0659.LAB	11/27/2018	15:24	-405	19.76	0.74	-0.01	-0.3	36	0.935

20ppm
Ethylene

RTO Inlet	DATA	DATE	TIME	TIME	T.O. Inlet Result (ppm as CH4)		
				Corrected			
28 NOV		18	10:07:06	9:17	1042	PPM	OK
28 NOV		18	10:07:11	9:17	1043	PPM	OK
28 NOV		18	10:07:16	9:17	1043	PPM	OK
28 NOV		18	10:07:21	9:17	1043	PPM	OK
28 NOV		18	10:07:26	9:17	1043	PPM	OK
							1000ppm Cal
28 NOV		18	10:35:43	9:45	1751	PPM	OK
28 NOV		18	10:35:48	9:45	1754	PPM	OK
28 NOV		18	10:35:53	9:45	1784	PPM	OK
28 NOV		18	10:35:58	9:45	1781	PPM	OK
28 NOV		18	10:36:03	9:46	1784	PPM	OK
28 NOV		18	10:36:08	9:46	1736	PPM	OK
28 NOV		18	10:36:13	9:46	1782	PPM	OK
28 NOV		18	10:36:18	9:46	1806	PPM	OK
28 NOV		18	10:36:23	9:46	1790	PPM	OK
28 NOV		18	10:36:28	9:46	1806	PPM	OK
28 NOV		18	10:36:33	9:46	1781	PPM	OK
28 NOV		18	10:36:38	9:46	1811	PPM	OK
28 NOV		18	10:36:43	9:46	1865	PPM	OK
28 NOV		18	10:36:48	9:46	1852	PPM	OK
28 NOV		18	10:36:53	9:46	1868	PPM	OK
28 NOV		18	10:36:58	9:46	1879	PPM	OK
28 NOV		18	10:37:03	9:47	1855	PPM	OK
28 NOV		18	10:37:08	9:47	1872	PPM	OK
28 NOV		18	10:37:13	9:47	1914	PPM	OK
28 NOV		18	10:37:18	9:47	1913	PPM	OK
28 NOV		18	10:37:23	9:47	1927	PPM	OK
28 NOV		18	10:37:28	9:47	1889	PPM	OK
28 NOV		18	10:37:33	9:47	1887	PPM	OK
28 NOV		18	10:37:38	9:47	1965	PPM	OK
28 NOV		18	10:37:43	9:47	1987	PPM	OK
28 NOV		18	10:37:48	9:47	1958	PPM	OK
28 NOV		18	10:37:53	9:47	1917	PPM	OK
28 NOV		18	10:37:58	9:47	1987	PPM	OK
28 NOV		18	10:38:03	9:48	1980	PPM	OK
28 NOV		18	10:38:08	9:48	2003	PPM	OK
28 NOV		18	10:38:13	9:48	1955	PPM	OK
28 NOV		18	10:38:18	9:48	1934	PPM	OK
28 NOV		18	10:38:23	9:48	1958	PPM	OK
28 NOV		18	10:38:28	9:48	1985	PPM	OK
28 NOV		18	10:38:33	9:48	1989	PPM	OK
28 NOV		18	10:38:38	9:48	2008	PPM	OK
28 NOV		18	10:38:43	9:48	1966	PPM	OK
28 NOV		18	10:38:48	9:48	1926	PPM	OK
28 NOV		18	10:38:53	9:48	2007	PPM	OK
28 NOV		18	10:38:58	9:48	1963	PPM	OK
28 NOV		18	10:39:03	9:49	1988	PPM	OK
28 NOV		18	10:39:08	9:49	1950	PPM	OK
28 NOV		18	10:39:13	9:49	1970	PPM	OK
28 NOV		18	10:39:18	9:49	1976	PPM	OK
28 NOV		18	10:39:23	9:49	1998	PPM	OK
28 NOV		18	10:39:28	9:49	1977	PPM	OK
28 NOV		18	10:39:33	9:49	1935	PPM	OK
28 NOV		18	10:39:38	9:49	1961	PPM	OK
28 NOV		18	10:39:43	9:49	1991	PPM	OK
28 NOV		18	10:39:48	9:49	1973	PPM	OK
28 NOV		18	10:39:53	9:49	1976	PPM	OK
28 NOV		18	10:39:58	9:49	1924	PPM	OK
28 NOV		18	10:40:03	9:50	1974	PPM	OK
28 NOV		18	10:40:08	9:50	1972	PPM	OK
28 NOV		18	10:40:13	9:50	1973	PPM	OK
28 NOV		18	10:40:18	9:50	1968	PPM	OK
28 NOV		18	10:40:23	9:50	1942	PPM	OK
28 NOV		18	10:40:28	9:50	1943	PPM	OK
28 NOV		18	10:40:33	9:50	1996	PPM	OK
28 NOV		18	10:40:38	9:50	1977	PPM	OK
28 NOV		18	10:40:43	9:50	1981	PPM	OK
28 NOV		18	10:40:48	9:50	1918	PPM	OK
28 NOV		18	10:40:53	9:50	1945	PPM	OK

RTO Inlet	DATA	DATE	TIME	TIME Corrected	T.O. Inlet Result (ppm as CH4)		
		28 NOV	18 10:40:58	9:50	2021	PPM	OK
		28 NOV	18 10:41:03	9:51	1988	PPM	OK
		28 NOV	18 10:41:08	9:51	1964	PPM	OK
		28 NOV	18 10:41:13	9:51	1949	PPM	OK
		28 NOV	18 10:41:18	9:51	2004	PPM	OK
		28 NOV	18 10:41:23	9:51	1981	PPM	OK
		28 NOV	18 10:41:28	9:51	1969	PPM	OK
		28 NOV	18 10:41:33	9:51	1945	PPM	OK
		28 NOV	18 10:41:38	9:51	1968	PPM	OK
		28 NOV	18 10:41:43	9:51	1974	PPM	OK
		28 NOV	18 10:41:48	9:51	1962	PPM	OK
		28 NOV	18 10:41:53	9:51	1958	PPM	OK
		28 NOV	18 10:41:58	9:51	1958	PPM	OK
		28 NOV	18 10:42:03	9:52	1992	PPM	OK
		28 NOV	18 10:42:08	9:52	1971	PPM	OK
		28 NOV	18 10:42:13	9:52	1966	PPM	OK
		28 NOV	18 10:42:18	9:52	1973	PPM	OK
		28 NOV	18 10:42:23	9:52	1999	PPM	OK
		28 NOV	18 10:42:28	9:52	2024	PPM	OK
		28 NOV	18 10:42:33	9:52	2009	PPM	OK
		28 NOV	18 10:42:38	9:52	1953	PPM	OK
		28 NOV	18 10:42:43	9:52	1953	PPM	OK
		28 NOV	18 10:42:48	9:52	1953	PPM	OK
		28 NOV	18 10:42:53	9:52	1999	PPM	OK
		28 NOV	18 10:42:58	9:52	2006	PPM	OK
		28 NOV	18 10:43:03	9:53	1977	PPM	OK
		28 NOV	18 10:43:08	9:53	1951	PPM	OK
		28 NOV	18 10:43:13	9:53	1976	PPM	OK
		28 NOV	18 10:43:18	9:53	1985	PPM	OK
		28 NOV	18 10:43:23	9:53	2009	PPM	OK
		28 NOV	18 10:43:28	9:53	1974	PPM	OK
		28 NOV	18 10:43:33	9:53	1950	PPM	OK
		28 NOV	18 10:43:38	9:53	1963	PPM	OK
		28 NOV	18 10:43:43	9:53	1997	PPM	OK
		28 NOV	18 10:43:48	9:53	1991	PPM	OK
		28 NOV	18 10:43:53	9:53	2035	PPM	OK
		28 NOV	18 10:43:58	9:53	1969	PPM	OK
		28 NOV	18 10:44:03	9:54	1944	PPM	OK
		28 NOV	18 10:44:08	9:54	1994	PPM	OK
		28 NOV	18 10:44:13	9:54	1995	PPM	OK
		28 NOV	18 10:44:18	9:54	1999	PPM	OK
		28 NOV	18 10:44:23	9:54	1978	PPM	OK
		28 NOV	18 10:44:28	9:54	1975	PPM	OK
		28 NOV	18 10:44:33	9:54	1964	PPM	OK
		28 NOV	18 10:44:38	9:54	1994	PPM	OK
		28 NOV	18 10:44:43	9:54	2026	PPM	OK
		28 NOV	18 10:44:48	9:54	2000	PPM	OK
		28 NOV	18 10:44:53	9:54	1991	PPM	OK
		28 NOV	18 10:44:58	9:54	1981	PPM	OK
		28 NOV	18 10:45:03	9:55	1952	PPM	OK
		28 NOV	18 10:45:08	9:55	2007	PPM	OK
		28 NOV	18 10:45:13	9:55	2023	PPM	OK
		28 NOV	18 10:45:18	9:55	2008	PPM	OK
		28 NOV	18 10:45:23	9:55	1987	PPM	OK
		28 NOV	18 10:45:28	9:55	1954	PPM	OK
		28 NOV	18 10:45:33	9:55	2000	PPM	OK
		28 NOV	18 10:45:38	9:55	2007	PPM	OK
		28 NOV	18 10:45:43	9:55	1998	PPM	OK
		28 NOV	18 10:45:48	9:55	1954	PPM	OK
		28 NOV	18 10:45:53	9:55	1989	PPM	OK
		28 NOV	18 10:45:58	9:55	2006	PPM	OK
		28 NOV	18 10:46:03	9:56	1998	PPM	OK
		28 NOV	18 10:46:08	9:56	1975	PPM	OK
		28 NOV	18 10:46:13	9:56	1981	PPM	OK
		28 NOV	18 10:46:18	9:56	1977	PPM	OK
		28 NOV	18 10:46:23	9:56	2015	PPM	OK
		28 NOV	18 10:46:28	9:56	1960	PPM	OK
		28 NOV	18 10:46:33	9:56	1948	PPM	OK
		28 NOV	18 10:46:38	9:56	1978	PPM	OK

RTO Inlet	DATA	DATE	TIME	TIME Corrected	T.O. Inlet Result (ppm as CH4)		
					2017	PPM	OK
		28 NOV	18 10:46:43	9:56			
		28 NOV	18 10:46:48	9:56	2030	PPM	OK
		28 NOV	18 10:46:53	9:56	2017	PPM	OK
		28 NOV	18 10:46:58	9:56	1978	PPM	OK
		28 NOV	18 10:47:03	9:57	2012	PPM	OK
		28 NOV	18 10:47:08	9:57	1986	PPM	OK
		28 NOV	18 10:47:13	9:57	2004	PPM	OK
		28 NOV	18 10:47:18	9:57	1967	PPM	OK
		28 NOV	18 10:47:23	9:57	1956	PPM	OK
		28 NOV	18 10:47:28	9:57	1983	PPM	OK
		28 NOV	18 10:47:33	9:57	1990	PPM	OK
		28 NOV	18 10:47:38	9:57	1970	PPM	OK
		28 NOV	18 10:47:43	9:57	2005	PPM	OK
		28 NOV	18 10:47:48	9:57	1986	PPM	OK
		28 NOV	18 10:47:53	9:57	1966	PPM	OK
		28 NOV	18 10:47:58	9:57	1971	PPM	OK
		28 NOV	18 10:48:03	9:58	1986	PPM	OK
		28 NOV	18 10:48:08	9:58	1995	PPM	OK
		28 NOV	18 10:48:13	9:58	2001	PPM	OK
		28 NOV	18 10:48:18	9:58	1975	PPM	OK
		28 NOV	18 10:48:23	9:58	1949	PPM	OK
		28 NOV	18 10:48:28	9:58	1956	PPM	OK
		28 NOV	18 10:48:33	9:58	1953	PPM	OK
		28 NOV	18 10:48:38	9:58	1894	PPM	OK
		28 NOV	18 10:48:43	9:58	1832	PPM	OK
		28 NOV	18 10:48:48	9:58	1765	PPM	OK
		28 NOV	18 10:48:53	9:58	1748	PPM	OK
		28 NOV	18 10:48:58	9:58	1747	PPM	OK
		28 NOV	18 10:49:03	9:59	1747	PPM	OK
		28 NOV	18 10:49:08	9:59	1772	PPM	OK
		28 NOV	18 10:49:13	9:59	1815	PPM	OK
		28 NOV	18 10:49:18	9:59	1819	PPM	OK
		28 NOV	18 10:49:23	9:59	1817	PPM	OK
		28 NOV	18 10:49:28	9:59	1852	PPM	OK
		28 NOV	18 10:49:33	9:59	1840	PPM	OK
		28 NOV	18 10:49:38	9:59	1824	PPM	OK
		28 NOV	18 10:49:43	9:59	1805	PPM	OK
		28 NOV	18 10:49:48	9:59	1812	PPM	OK
		28 NOV	18 10:49:53	9:59	1804	PPM	OK
		28 NOV	18 10:49:58	9:59	1725	PPM	OK
		28 NOV	18 10:50:03	10:00	1680	PPM	OK
		28 NOV	18 10:50:08	10:00	1672	PPM	OK
		28 NOV	18 10:50:13	10:00	1649	PPM	OK
		28 NOV	18 10:50:18	10:00	1648	PPM	OK
		28 NOV	18 10:50:23	10:00	1596	PPM	OK
		28 NOV	18 10:50:28	10:00	1636	PPM	OK
		28 NOV	18 10:50:33	10:00	1588	PPM	OK
		28 NOV	18 10:50:38	10:00	1608	PPM	OK
		28 NOV	18 10:50:43	10:00	1572	PPM	OK
		28 NOV	18 10:50:48	10:00	1576	PPM	OK
		28 NOV	18 10:50:53	10:00	1611	PPM	OK
		28 NOV	18 10:50:58	10:00	1617	PPM	OK
		28 NOV	18 10:51:03	10:01	1626	PPM	OK
		28 NOV	18 10:51:08	10:01	1613	PPM	OK
		28 NOV	18 10:51:13	10:01	1606	PPM	OK
		28 NOV	18 10:51:18	10:01	1599	PPM	OK
		28 NOV	18 10:51:23	10:01	1587	PPM	OK
		28 NOV	18 10:51:28	10:01	1597	PPM	OK
		28 NOV	18 10:51:33	10:01	1590	PPM	OK
		28 NOV	18 10:51:38	10:01	1599	PPM	OK
		28 NOV	18 10:51:43	10:01	1617	PPM	OK
		28 NOV	18 10:51:48	10:01	1593	PPM	OK
		28 NOV	18 10:51:53	10:01	1564	PPM	OK
		28 NOV	18 10:51:58	10:01	1570	PPM	OK
		28 NOV	18 10:52:03	10:02	1630	PPM	OK
		28 NOV	18 10:52:08	10:02	1635	PPM	OK
		28 NOV	18 10:52:13	10:02	1586	PPM	OK
		28 NOV	18 10:52:18	10:02	1560	PPM	OK
		28 NOV	18 10:52:23	10:02	1612	PPM	OK

RTO Inlet	DATA	DATE	TIME	TIME Corrected	T.O. Inlet Result (ppm as CH4)		
		28 NOV	18 10:52:28	10:02	1759	PPM	OK
		28 NOV	18 10:52:33	10:02	1907	PPM	OK
		28 NOV	18 10:52:38	10:02	1951	PPM	OK
		28 NOV	18 10:52:43	10:02	1979	PPM	OK
		28 NOV	18 10:52:48	10:02	2038	PPM	OK
		28 NOV	18 10:52:53	10:02	2040	PPM	OK
		28 NOV	18 10:52:58	10:02	2055	PPM	OK
		28 NOV	18 10:53:03	10:03	2007	PPM	OK
		28 NOV	18 10:53:08	10:03	2048	PPM	OK
		28 NOV	18 10:53:13	10:03	2033	PPM	OK
		28 NOV	18 10:53:18	10:03	2078	PPM	OK
		28 NOV	18 10:53:23	10:03	2059	PPM	OK
		28 NOV	18 10:53:28	10:03	2034	PPM	OK
		28 NOV	18 10:53:33	10:03	2013	PPM	OK
		28 NOV	18 10:53:38	10:03	2030	PPM	OK
		28 NOV	18 10:53:43	10:03	2025	PPM	OK
		28 NOV	18 10:53:48	10:03	2058	PPM	OK
		28 NOV	18 10:53:53	10:03	2057	PPM	OK
		28 NOV	18 10:53:58	10:03	2021	PPM	OK
		28 NOV	18 10:54:03	10:04	2019	PPM	OK
		28 NOV	18 10:54:08	10:04	2019	PPM	OK
		28 NOV	18 10:54:13	10:04	2049	PPM	OK
		28 NOV	18 10:54:18	10:04	2060	PPM	OK
		28 NOV	18 10:54:23	10:04	2033	PPM	OK
		28 NOV	18 10:54:28	10:04	2039	PPM	OK
		28 NOV	18 10:54:33	10:04	2046	PPM	OK
		28 NOV	18 10:54:38	10:04	2034	PPM	OK
		28 NOV	18 10:54:43	10:04	2030	PPM	OK
		28 NOV	18 10:54:48	10:04	2054	PPM	OK
		28 NOV	18 10:54:53	10:04	2038	PPM	OK
		28 NOV	18 10:54:58	10:04	2039	PPM	OK
		28 NOV	18 10:55:03	10:05	2029	PPM	OK
		28 NOV	18 10:55:08	10:05	2047	PPM	OK
		28 NOV	18 10:55:13	10:05	2041	PPM	OK
		28 NOV	18 10:55:18	10:05	2044	PPM	OK
		28 NOV	18 10:55:23	10:05	2060	PPM	OK
		28 NOV	18 10:55:28	10:05	2025	PPM	OK
		28 NOV	18 10:55:33	10:05	2043	PPM	OK
		28 NOV	18 10:55:38	10:05	2055	PPM	OK
		28 NOV	18 10:55:43	10:05	2078	PPM	OK
		28 NOV	18 10:55:48	10:05	2051	PPM	OK
		28 NOV	18 10:55:53	10:05	1990	PPM	OK
		28 NOV	18 10:55:58	10:05	2016	PPM	OK
		28 NOV	18 10:56:03	10:06	1984	PPM	OK
		28 NOV	18 10:56:08	10:06	1961	PPM	OK
		28 NOV	18 10:56:13	10:06	1910	PPM	OK
		28 NOV	18 10:56:18	10:06	1915	PPM	OK
		28 NOV	18 10:56:23	10:06	1859	PPM	OK
		28 NOV	18 10:56:28	10:06	1893	PPM	OK
		28 NOV	18 10:56:33	10:06	1907	PPM	OK
		28 NOV	18 10:56:38	10:06	1907	PPM	OK
		28 NOV	18 10:56:43	10:06	1880	PPM	OK
		28 NOV	18 10:56:48	10:06	1845	PPM	OK
		28 NOV	18 10:56:53	10:06	1884	PPM	OK
		28 NOV	18 10:56:58	10:06	1915	PPM	OK
		28 NOV	18 10:57:03	10:07	1905	PPM	OK
		28 NOV	18 10:57:08	10:07	1916	PPM	OK
		28 NOV	18 10:57:13	10:07	1922	PPM	OK
		28 NOV	18 10:57:18	10:07	1977	PPM	OK
		28 NOV	18 10:57:23	10:07	1972	PPM	OK
		28 NOV	18 10:57:28	10:07	1971	PPM	OK
		28 NOV	18 10:57:33	10:07	1965	PPM	OK
		28 NOV	18 10:57:38	10:07	1973	PPM	OK
		28 NOV	18 10:57:43	10:07	1981	PPM	OK
		28 NOV	18 10:57:48	10:07	1981	PPM	OK
		28 NOV	18 10:57:53	10:07	2047	PPM	OK
		28 NOV	18 10:57:58	10:07	2074	PPM	OK
		28 NOV	18 10:58:03	10:08	2098	PPM	OK
		28 NOV	18 10:58:08	10:08	2117	PPM	OK

**Run 1
1916**

RTO Inlet	DATA	DATE	TIME	TIME	T.O. Inlet Result (ppm as CH4)		
				Corrected			
		28 NOV	18 10:58:13	10:08	2086	PPM	OK
		28 NOV	18 10:58:18	10:08	2157	PPM	OK
		28 NOV	18 10:58:23	10:08	2174	PPM	OK
		28 NOV	18 10:58:28	10:08	2180	PPM	OK
		28 NOV	18 10:58:33	10:08	2182	PPM	OK
		28 NOV	18 10:58:38	10:08	2182	PPM	OK
		28 NOV	18 10:58:43	10:08	2214	PPM	OK
		28 NOV	18 10:58:48	10:08	2274	PPM	OK
		28 NOV	18 10:58:53	10:08	2264	PPM	OK
		28 NOV	18 10:58:58	10:08	2248	PPM	OK
		28 NOV	18 10:59:03	10:09	2233	PPM	OK
		28 NOV	18 10:59:08	10:09	2223	PPM	OK
		28 NOV	18 10:59:13	10:09	2232	PPM	OK
		28 NOV	18 10:59:18	10:09	2285	PPM	OK
		28 NOV	18 10:59:23	10:09	2284	PPM	OK
		28 NOV	18 10:59:28	10:09	2285	PPM	OK
		28 NOV	18 10:59:33	10:09	2334	PPM	OK
		28 NOV	18 10:59:38	10:09	2332	PPM	OK
		28 NOV	18 10:59:43	10:09	2340	PPM	OK
		28 NOV	18 10:59:48	10:09	2316	PPM	OK
		28 NOV	18 10:59:53	10:09	2287	PPM	OK
		28 NOV	18 10:59:58	10:09	2290	PPM	OK
		28 NOV	18 11:00:03	10:10	2274	PPM	OK
		28 NOV	18 11:00:08	10:10	2284	PPM	OK
		28 NOV	18 11:00:13	10:10	2239	PPM	OK
		28 NOV	18 11:00:18	10:10	2221	PPM	OK
		28 NOV	18 11:00:23	10:10	2242	PPM	OK
		28 NOV	18 11:00:28	10:10	2252	PPM	OK
		28 NOV	18 11:00:33	10:10	2271	PPM	OK
		28 NOV	18 11:00:38	10:10	2244	PPM	OK
		28 NOV	18 11:00:43	10:10	2207	PPM	OK
		28 NOV	18 11:00:48	10:10	2218	PPM	OK
		28 NOV	18 11:00:53	10:10	2233	PPM	OK
		28 NOV	18 11:00:58	10:10	2247	PPM	OK
		28 NOV	18 11:01:03	10:11	2259	PPM	OK
		28 NOV	18 11:01:08	10:11	2277	PPM	OK
		28 NOV	18 11:01:13	10:11	2216	PPM	OK
		28 NOV	18 11:01:18	10:11	2253	PPM	OK
		28 NOV	18 11:01:23	10:11	2255	PPM	OK
		28 NOV	18 11:01:28	10:11	2264	PPM	OK
		28 NOV	18 11:01:33	10:11	2293	PPM	OK
		28 NOV	18 11:01:38	10:11	2260	PPM	OK
		28 NOV	18 11:01:43	10:11	2243	PPM	OK
		28 NOV	18 11:01:48	10:11	2232	PPM	OK
		28 NOV	18 11:01:53	10:11	2266	PPM	OK
		28 NOV	18 11:01:58	10:11	2250	PPM	OK
		28 NOV	18 11:02:03	10:12	2283	PPM	OK
		28 NOV	18 11:02:08	10:12	2273	PPM	OK
		28 NOV	18 11:02:13	10:12	2275	PPM	OK
		28 NOV	18 11:02:18	10:12	2278	PPM	OK
		28 NOV	18 11:02:23	10:12	2308	PPM	OK
		28 NOV	18 11:02:28	10:12	2317	PPM	OK
		28 NOV	18 11:02:33	10:12	2280	PPM	OK
		28 NOV	18 11:02:38	10:12	2248	PPM	OK
		28 NOV	18 11:02:43	10:12	2256	PPM	OK
		28 NOV	18 11:02:48	10:12	2247	PPM	OK
		28 NOV	18 11:02:53	10:12	2299	PPM	OK
		28 NOV	18 11:02:58	10:12	2276	PPM	OK
		28 NOV	18 11:03:03	10:13	2240	PPM	OK
		28 NOV	18 11:03:08	10:13	2272	PPM	OK
		28 NOV	18 11:03:13	10:13	2319	PPM	OK
		28 NOV	18 11:03:18	10:13	2369	PPM	OK
		28 NOV	18 11:03:23	10:13	2390	PPM	OK
		28 NOV	18 11:03:28	10:13	2395	PPM	OK
		28 NOV	18 11:03:33	10:13	2380	PPM	OK
		28 NOV	18 11:03:38	10:13	2388	PPM	OK
		28 NOV	18 11:03:43	10:13	2407	PPM	OK
		28 NOV	18 11:03:48	10:13	2438	PPM	OK
		28 NOV	18 11:03:53	10:13	2409	PPM	OK

RTO Inlet	DATA	DATE	TIME	TIME Corrected	T.O. Inlet Result (ppm as CH4)		
		28 NOV	18 11:03:58	10:13	2372	PPM	OK
		28 NOV	18 11:04:03	10:14	2427	PPM	OK
		28 NOV	18 11:04:08	10:14	2448	PPM	OK
		28 NOV	18 11:04:13	10:14	2439	PPM	OK
		28 NOV	18 11:04:18	10:14	2466	PPM	OK
		28 NOV	18 11:04:23	10:14	2426	PPM	OK
		28 NOV	18 11:04:28	10:14	2389	PPM	OK
		28 NOV	18 11:04:33	10:14	2420	PPM	OK
		28 NOV	18 11:04:38	10:14	2421	PPM	OK
		28 NOV	18 11:04:43	10:14	2445	PPM	OK
		28 NOV	18 11:04:48	10:14	2425	PPM	OK
		28 NOV	18 11:04:53	10:14	2417	PPM	OK
		28 NOV	18 11:04:58	10:14	2400	PPM	OK
		28 NOV	18 11:05:03	10:15	2421	PPM	OK
		28 NOV	18 11:05:08	10:15	2422	PPM	OK
		28 NOV	18 11:05:13	10:15	2451	PPM	OK
		28 NOV	18 11:05:18	10:15	2443	PPM	OK
		28 NOV	18 11:05:23	10:15	2442	PPM	OK
		28 NOV	18 11:05:28	10:15	2407	PPM	OK
		28 NOV	18 11:05:33	10:15	2396	PPM	OK
		28 NOV	18 11:05:38	10:15	2428	PPM	OK
		28 NOV	18 11:05:43	10:15	2462	PPM	OK
		28 NOV	18 11:05:48	10:15	2452	PPM	OK
		28 NOV	18 11:05:53	10:15	2435	PPM	OK
		28 NOV	18 11:05:58	10:15	2417	PPM	OK
		28 NOV	18 11:06:03	10:16	2435	PPM	OK
		28 NOV	18 11:06:08	10:16	2474	PPM	OK
		28 NOV	18 11:06:13	10:16	2446	PPM	OK
		28 NOV	18 11:06:18	10:16	2408	PPM	OK
		28 NOV	18 11:06:23	10:16	2418	PPM	OK
		28 NOV	18 11:06:28	10:16	2454	PPM	OK
		28 NOV	18 11:06:33	10:16	2468	PPM	OK
		28 NOV	18 11:06:38	10:16	2446	PPM	OK
		28 NOV	18 11:06:43	10:16	2434	PPM	OK
		28 NOV	18 11:06:48	10:16	2450	PPM	OK
		28 NOV	18 11:06:53	10:16	2441	PPM	OK
		28 NOV	18 11:06:58	10:16	2439	PPM	OK
		28 NOV	18 11:07:03	10:17	2470	PPM	OK
		28 NOV	18 11:07:08	10:17	2413	PPM	OK
		28 NOV	18 11:07:13	10:17	2445	PPM	OK
		28 NOV	18 11:07:18	10:17	2448	PPM	OK
		28 NOV	18 11:07:23	10:17	2427	PPM	OK
		28 NOV	18 11:07:28	10:17	2435	PPM	OK
		28 NOV	18 11:07:33	10:17	2438	PPM	OK
		28 NOV	18 11:07:38	10:17	2437	PPM	OK
		28 NOV	18 11:07:43	10:17	2405	PPM	OK
		28 NOV	18 11:07:48	10:17	2393	PPM	OK
		28 NOV	18 11:07:53	10:17	2461	PPM	OK
		28 NOV	18 11:07:58	10:17	2462	PPM	OK
		28 NOV	18 11:08:03	10:18	2468	PPM	OK
		28 NOV	18 11:08:08	10:18	2407	PPM	OK
		28 NOV	18 11:08:13	10:18	2407	PPM	OK
		28 NOV	18 11:08:18	10:18	2436	PPM	OK
		28 NOV	18 11:08:23	10:18	2458	PPM	OK
		28 NOV	18 11:08:28	10:18	2470	PPM	OK
		28 NOV	18 11:08:33	10:18	2442	PPM	OK
		28 NOV	18 11:08:38	10:18	2432	PPM	OK
		28 NOV	18 11:08:43	10:18	2411	PPM	OK
		28 NOV	18 11:08:48	10:18	2477	PPM	OK
		28 NOV	18 11:08:53	10:18	2462	PPM	OK
		28 NOV	18 11:08:58	10:18	2433	PPM	OK
		28 NOV	18 11:09:03	10:19	2419	PPM	OK
		28 NOV	18 11:09:08	10:19	2409	PPM	OK
		28 NOV	18 11:09:13	10:19	2451	PPM	OK
		28 NOV	18 11:09:18	10:19	2461	PPM	OK
		28 NOV	18 11:09:23	10:19	2432	PPM	OK
		28 NOV	18 11:09:28	10:19	2445	PPM	OK
		28 NOV	18 11:09:33	10:19	2420	PPM	OK
3M LIMS E18-0749	28 NOV	18 11:09:38	10:19	2421	PPM	OK	

RTO Inlet	DATA	DATE	TIME	TIME Corrected	T.O. Inlet Result (ppm as CH4)		
		28 NOV	18 11:09:43	10:19	2437	PPM	OK
		28 NOV	18 11:09:48	10:19	2434	PPM	OK
		28 NOV	18 11:09:53	10:19	2447	PPM	OK
		28 NOV	18 11:09:58	10:19	2401	PPM	OK
		28 NOV	18 11:10:03	10:20	2402	PPM	OK
		28 NOV	18 11:10:08	10:20	2413	PPM	OK
		28 NOV	18 11:10:13	10:20	2437	PPM	OK
		28 NOV	18 11:10:18	10:20	2446	PPM	OK
		28 NOV	18 11:10:23	10:20	2443	PPM	OK
		28 NOV	18 11:10:28	10:20	2429	PPM	OK
		28 NOV	18 11:10:33	10:20	2422	PPM	OK
		28 NOV	18 11:10:38	10:20	2423	PPM	OK
		28 NOV	18 11:10:43	10:20	2436	PPM	OK
		28 NOV	18 11:10:48	10:20	2459	PPM	OK
		28 NOV	18 11:10:53	10:20	2452	PPM	OK
		28 NOV	18 11:10:58	10:20	2461	PPM	OK
		28 NOV	18 11:11:03	10:21	2459	PPM	OK
		28 NOV	18 11:11:08	10:21	2454	PPM	OK
		28 NOV	18 11:11:13	10:21	2487	PPM	OK
		28 NOV	18 11:11:18	10:21	2463	PPM	OK
		28 NOV	18 11:11:23	10:21	2477	PPM	OK
		28 NOV	18 11:11:28	10:21	2480	PPM	OK
		28 NOV	18 11:11:33	10:21	2466	PPM	OK
		28 NOV	18 11:11:38	10:21	2456	PPM	OK
		28 NOV	18 11:11:43	10:21	2499	PPM	OK
		28 NOV	18 11:11:48	10:21	2480	PPM	OK
		28 NOV	18 11:11:53	10:21	2466	PPM	OK
		28 NOV	18 11:11:58	10:21	2463	PPM	OK
		28 NOV	18 11:12:03	10:22	2442	PPM	OK
		28 NOV	18 11:12:08	10:22	2443	PPM	OK
		28 NOV	18 11:12:13	10:22	2481	PPM	OK
		28 NOV	18 11:12:18	10:22	2480	PPM	OK
		28 NOV	18 11:12:23	10:22	2457	PPM	OK
		28 NOV	18 11:12:28	10:22	2450	PPM	OK
		28 NOV	18 11:12:33	10:22	2454	PPM	OK
		28 NOV	18 11:12:38	10:22	2484	PPM	OK
		28 NOV	18 11:12:43	10:22	2468	PPM	OK
		28 NOV	18 11:12:48	10:22	2505	PPM	OK
		28 NOV	18 11:12:53	10:22	2484	PPM	OK
		28 NOV	18 11:12:58	10:22	2481	PPM	OK
		28 NOV	18 11:13:03	10:23	2436	PPM	OK
		28 NOV	18 11:13:08	10:23	2484	PPM	OK
		28 NOV	18 11:13:13	10:23	2536	PPM	OK
		28 NOV	18 11:13:18	10:23	2513	PPM	OK
		28 NOV	18 11:13:23	10:23	2507	PPM	OK
		28 NOV	18 11:13:28	10:23	2478	PPM	OK
		28 NOV	18 11:13:33	10:23	2463	PPM	OK
		28 NOV	18 11:13:38	10:23	2470	PPM	OK
		28 NOV	18 11:13:43	10:23	2474	PPM	OK
		28 NOV	18 11:13:48	10:23	2494	PPM	OK
		28 NOV	18 11:13:53	10:23	2494	PPM	OK
		28 NOV	18 11:13:58	10:23	2517	PPM	OK
		28 NOV	18 11:14:03	10:24	2511	PPM	OK
		28 NOV	18 11:14:08	10:24	2513	PPM	OK
		28 NOV	18 11:14:13	10:24	2485	PPM	OK
		28 NOV	18 11:14:18	10:24	2465	PPM	OK
		28 NOV	18 11:14:23	10:24	2529	PPM	OK
		28 NOV	18 11:14:28	10:24	2498	PPM	OK
		28 NOV	18 11:14:33	10:24	2504	PPM	OK
		28 NOV	18 11:14:38	10:24	2513	PPM	OK
		28 NOV	18 11:14:43	10:24	2518	PPM	OK
		28 NOV	18 11:14:48	10:24	2484	PPM	OK
		28 NOV	18 11:14:53	10:24	2473	PPM	OK
		28 NOV	18 11:14:58	10:24	2477	PPM	OK
		28 NOV	18 11:15:03	10:25	2451	PPM	OK
		28 NOV	18 11:15:08	10:25	2496	PPM	OK
		28 NOV	18 11:15:13	10:25	2526	PPM	OK
		28 NOV	18 11:15:18	10:25	2535	PPM	OK
		28 NOV	18 11:15:23	10:25	2491	PPM	OK

RTO Inlet	DATA	DATE	TIME	TIME Corrected	T.O. Inlet Result (ppm as CH4)		
		28 NOV	18 11:15:28	10:25	2496	PPM	OK
		28 NOV	18 11:15:33	10:25	2493	PPM	OK
		28 NOV	18 11:15:38	10:25	2500	PPM	OK
		28 NOV	18 11:15:43	10:25	2484	PPM	OK
		28 NOV	18 11:15:48	10:25	2488	PPM	OK
		28 NOV	18 11:15:53	10:25	2487	PPM	OK
		28 NOV	18 11:15:58	10:25	2460	PPM	OK
		28 NOV	18 11:16:03	10:26	2461	PPM	OK
		28 NOV	18 11:16:08	10:26	2513	PPM	OK
		28 NOV	18 11:16:13	10:26	2506	PPM	OK
		28 NOV	18 11:16:18	10:26	2489	PPM	OK
		28 NOV	18 11:16:23	10:26	2482	PPM	OK
		28 NOV	18 11:16:28	10:26	2473	PPM	OK
		28 NOV	18 11:16:33	10:26	2492	PPM	OK
		28 NOV	18 11:16:38	10:26	2475	PPM	OK
		28 NOV	18 11:16:43	10:26	2526	PPM	OK
		28 NOV	18 11:16:48	10:26	2492	PPM	OK
		28 NOV	18 11:16:53	10:26	2511	PPM	OK
		28 NOV	18 11:16:58	10:26	2494	PPM	OK
		28 NOV	18 11:17:03	10:27	2473	PPM	OK
		28 NOV	18 11:17:08	10:27	2481	PPM	OK
		28 NOV	18 11:17:13	10:27	2485	PPM	OK
		28 NOV	18 11:17:18	10:27	2524	PPM	OK
		28 NOV	18 11:17:23	10:27	2489	PPM	OK
		28 NOV	18 11:17:28	10:27	2534	PPM	OK
		28 NOV	18 11:17:33	10:27	2490	PPM	OK
		28 NOV	18 11:17:38	10:27	2474	PPM	OK
		28 NOV	18 11:17:43	10:27	2486	PPM	OK
		28 NOV	18 11:17:48	10:27	2465	PPM	OK
		28 NOV	18 11:17:53	10:27	2464	PPM	OK
		28 NOV	18 11:17:58	10:27	2511	PPM	OK
		28 NOV	18 11:18:03	10:28	2504	PPM	OK
		28 NOV	18 11:18:08	10:28	2560	PPM	OK
		28 NOV	18 11:18:13	10:28	2489	PPM	OK
		28 NOV	18 11:18:18	10:28	2465	PPM	OK
		28 NOV	18 11:18:23	10:28	2462	PPM	OK
		28 NOV	18 11:18:28	10:28	2478	PPM	OK
		28 NOV	18 11:18:33	10:28	2507	PPM	OK
		28 NOV	18 11:18:38	10:28	2494	PPM	OK
		28 NOV	18 11:18:43	10:28	2486	PPM	OK
		28 NOV	18 11:18:48	10:28	2472	PPM	OK
		28 NOV	18 11:18:53	10:28	2486	PPM	OK
		28 NOV	18 11:18:58	10:28	2494	PPM	OK
		28 NOV	18 11:19:03	10:29	2515	PPM	OK
		28 NOV	18 11:19:08	10:29	2485	PPM	OK
		28 NOV	18 11:19:13	10:29	2466	PPM	OK
		28 NOV	18 11:19:18	10:29	2501	PPM	OK
		28 NOV	18 11:19:23	10:29	2494	PPM	OK
		28 NOV	18 11:19:28	10:29	2529	PPM	OK
		28 NOV	18 11:19:33	10:29	2513	PPM	OK
		28 NOV	18 11:19:38	10:29	2502	PPM	OK
		28 NOV	18 11:19:43	10:29	2480	PPM	OK
		28 NOV	18 11:19:48	10:29	2494	PPM	OK
		28 NOV	18 11:19:53	10:29	2486	PPM	OK
		28 NOV	18 11:19:58	10:29	2489	PPM	OK
		28 NOV	18 11:20:03	10:30	2532	PPM	OK
		28 NOV	18 11:20:08	10:30	2502	PPM	OK
		28 NOV	18 11:20:13	10:30	2491	PPM	OK
		28 NOV	18 11:20:18	10:30	2472	PPM	OK
		28 NOV	18 11:20:23	10:30	2502	PPM	OK
		28 NOV	18 11:20:28	10:30	2514	PPM	OK
		28 NOV	18 11:20:33	10:30	2526	PPM	OK
		28 NOV	18 11:20:38	10:30	2486	PPM	OK
		28 NOV	18 11:20:43	10:30	2475	PPM	OK
		28 NOV	18 11:20:48	10:30	2495	PPM	OK
		28 NOV	18 11:20:53	10:30	2497	PPM	OK
		28 NOV	18 11:20:58	10:30	2481	PPM	OK
		28 NOV	18 11:21:03	10:31	2500	PPM	OK
3M LIMS E18-0749	28 NOV	18 11:21:08	10:31		2508	PPM	OK

RTO Inlet	DATA	DATE	TIME	TIME Corrected	T.O. Inlet Result (ppm as CH4)		
		28 NOV	18 11:21:13	10:31	2522	PPM	OK
		28 NOV	18 11:21:18	10:31	2512	PPM	OK
		28 NOV	18 11:21:23	10:31	2494	PPM	OK
		28 NOV	18 11:21:28	10:31	2458	PPM	OK
		28 NOV	18 11:21:33	10:31	2468	PPM	OK
		28 NOV	18 11:21:38	10:31	2474	PPM	OK
		28 NOV	18 11:21:43	10:31	2467	PPM	OK
		28 NOV	18 11:21:48	10:31	2465	PPM	OK
		28 NOV	18 11:21:53	10:31	2480	PPM	OK
		28 NOV	18 11:21:58	10:31	2488	PPM	OK
		28 NOV	18 11:22:03	10:32	2521	PPM	OK
		28 NOV	18 11:22:08	10:32	2487	PPM	OK
		28 NOV	18 11:22:13	10:32	2477	PPM	OK
		28 NOV	18 11:22:18	10:32	2449	PPM	OK
		28 NOV	18 11:22:23	10:32	2467	PPM	OK
		28 NOV	18 11:22:28	10:32	2529	PPM	OK
		28 NOV	18 11:22:33	10:32	2523	PPM	OK
		28 NOV	18 11:22:38	10:32	2508	PPM	OK
		28 NOV	18 11:22:43	10:32	2449	PPM	OK
		28 NOV	18 11:22:48	10:32	2458	PPM	OK
		28 NOV	18 11:22:53	10:32	2484	PPM	OK
		28 NOV	18 11:22:58	10:32	2484	PPM	OK
		28 NOV	18 11:23:03	10:33	2475	PPM	OK
		28 NOV	18 11:23:08	10:33	2456	PPM	OK
		28 NOV	18 11:23:13	10:33	2470	PPM	OK
		28 NOV	18 11:23:18	10:33	2483	PPM	OK
		28 NOV	18 11:23:23	10:33	2482	PPM	OK
		28 NOV	18 11:23:28	10:33	2500	PPM	OK
		28 NOV	18 11:23:33	10:33	2480	PPM	OK
		28 NOV	18 11:23:38	10:33	2466	PPM	OK
		28 NOV	18 11:23:43	10:33	2464	PPM	OK
		28 NOV	18 11:23:48	10:33	2508	PPM	OK
		28 NOV	18 11:23:53	10:33	2502	PPM	OK
		28 NOV	18 11:23:58	10:33	2461	PPM	OK
		28 NOV	18 11:24:03	10:34	2479	PPM	OK
		28 NOV	18 11:24:08	10:34	2454	PPM	OK
		28 NOV	18 11:24:13	10:34	2460	PPM	OK
		28 NOV	18 11:24:18	10:34	2496	PPM	OK
		28 NOV	18 11:24:23	10:34	2498	PPM	OK
		28 NOV	18 11:24:28	10:34	2486	PPM	OK
		28 NOV	18 11:24:33	10:34	2496	PPM	OK
		28 NOV	18 11:24:38	10:34	2487	PPM	OK
		28 NOV	18 11:24:43	10:34	2463	PPM	OK
		28 NOV	18 11:24:48	10:34	2477	PPM	OK
		28 NOV	18 11:24:53	10:34	2477	PPM	OK
		28 NOV	18 11:24:58	10:34	2480	PPM	OK
		28 NOV	18 11:25:03	10:35	2496	PPM	OK
		28 NOV	18 11:25:08	10:35	2463	PPM	OK
		28 NOV	18 11:25:13	10:35	2494	PPM	OK
		28 NOV	18 11:25:18	10:35	2495	PPM	OK
		28 NOV	18 11:25:23	10:35	2500	PPM	OK
		28 NOV	18 11:25:28	10:35	2522	PPM	OK
		28 NOV	18 11:25:33	10:35	2473	PPM	OK
		28 NOV	18 11:25:38	10:35	2455	PPM	OK
		28 NOV	18 11:25:43	10:35	2455	PPM	OK
		28 NOV	18 11:25:48	10:35	2470	PPM	OK
		28 NOV	18 11:25:53	10:35	2485	PPM	OK
		28 NOV	18 11:25:58	10:35	2519	PPM	OK
		28 NOV	18 11:26:03	10:36	2479	PPM	OK
		28 NOV	18 11:26:08	10:36	2453	PPM	OK
		28 NOV	18 11:26:13	10:36	2460	PPM	OK
		28 NOV	18 11:26:18	10:36	2468	PPM	OK
		28 NOV	18 11:26:23	10:36	2441	PPM	OK
		28 NOV	18 11:26:28	10:36	2474	PPM	OK
		28 NOV	18 11:26:33	10:36	2452	PPM	OK
		28 NOV	18 11:26:38	10:36	2434	PPM	OK
		28 NOV	18 11:26:43	10:36	2441	PPM	OK
		28 NOV	18 11:26:48	10:36	2451	PPM	OK
3M LIMS E18-0749	28 NOV	18 11:26:53	10:36	2441	PPM	OK	

RTO Inlet	DATA	DATE	TIME	TIME Corrected	T.O. Inlet Result (ppm as CH4)		
		28 NOV	18 11:26:58	10:36	2427	PPM	OK
		28 NOV	18 11:27:03	10:37	2473	PPM	OK
		28 NOV	18 11:27:08	10:37	2463	PPM	OK
		28 NOV	18 11:27:13	10:37	2458	PPM	OK
		28 NOV	18 11:27:18	10:37	2424	PPM	OK
		28 NOV	18 11:27:23	10:37	2417	PPM	OK
		28 NOV	18 11:27:28	10:37	2422	PPM	OK
		28 NOV	18 11:27:33	10:37	2473	PPM	OK
		28 NOV	18 11:27:38	10:37	2464	PPM	OK
		28 NOV	18 11:27:43	10:37	2451	PPM	OK
		28 NOV	18 11:27:48	10:37	2437	PPM	OK
		28 NOV	18 11:27:53	10:37	2419	PPM	OK
		28 NOV	18 11:27:58	10:37	2425	PPM	OK
		28 NOV	18 11:28:03	10:38	2469	PPM	OK
		28 NOV	18 11:28:08	10:38	2415	PPM	OK
		28 NOV	18 11:28:13	10:38	2396	PPM	OK
		28 NOV	18 11:28:18	10:38	2439	PPM	OK
		28 NOV	18 11:28:23	10:38	2461	PPM	OK
		28 NOV	18 11:28:28	10:38	2440	PPM	OK
		28 NOV	18 11:28:33	10:38	2433	PPM	OK
		28 NOV	18 11:28:38	10:38	2453	PPM	OK
		28 NOV	18 11:28:43	10:38	2443	PPM	OK
		28 NOV	18 11:28:48	10:38	2465	PPM	OK
		28 NOV	18 11:28:53	10:38	2496	PPM	OK
		28 NOV	18 11:28:58	10:38	2462	PPM	OK
		28 NOV	18 11:29:03	10:39	2435	PPM	OK
		28 NOV	18 11:29:08	10:39	2412	PPM	OK
		28 NOV	18 11:29:13	10:39	2456	PPM	OK
		28 NOV	18 11:29:18	10:39	2465	PPM	OK
		28 NOV	18 11:29:23	10:39	2448	PPM	OK
		28 NOV	18 11:29:28	10:39	2419	PPM	OK
		28 NOV	18 11:29:33	10:39	2447	PPM	OK
		28 NOV	18 11:29:38	10:39	2462	PPM	OK
		28 NOV	18 11:29:43	10:39	2439	PPM	OK
		28 NOV	18 11:29:48	10:39	2416	PPM	OK
		28 NOV	18 11:29:53	10:39	2419	PPM	OK
		28 NOV	18 11:29:58	10:39	2442	PPM	OK
		28 NOV	18 11:30:03	10:40	2425	PPM	OK
		28 NOV	18 11:30:08	10:40	2414	PPM	OK
		28 NOV	18 11:30:13	10:40	2401	PPM	OK
		28 NOV	18 11:30:18	10:40	2415	PPM	OK
		28 NOV	18 11:30:23	10:40	2431	PPM	OK
		28 NOV	18 11:30:28	10:40	2454	PPM	OK
		28 NOV	18 11:30:33	10:40	2468	PPM	OK
		28 NOV	18 11:30:38	10:40	2434	PPM	OK
		28 NOV	18 11:30:43	10:40	2405	PPM	OK
		28 NOV	18 11:30:48	10:40	2422	PPM	OK
		28 NOV	18 11:30:53	10:40	2414	PPM	OK
		28 NOV	18 11:30:58	10:40	2436	PPM	OK
		28 NOV	18 11:31:03	10:41	2453	PPM	OK
		28 NOV	18 11:31:08	10:41	2447	PPM	OK
		28 NOV	18 11:31:13	10:41	2416	PPM	OK
		28 NOV	18 11:31:18	10:41	2425	PPM	OK
		28 NOV	18 11:31:23	10:41	2385	PPM	OK
		28 NOV	18 11:31:28	10:41	2375	PPM	OK
		28 NOV	18 11:31:33	10:41	2421	PPM	OK
		28 NOV	18 11:31:38	10:41	2450	PPM	OK
		28 NOV	18 11:31:43	10:41	2435	PPM	OK
		28 NOV	18 11:31:48	10:41	2432	PPM	OK
		28 NOV	18 11:31:53	10:41	2420	PPM	OK
		28 NOV	18 11:31:58	10:41	2415	PPM	OK
		28 NOV	18 11:32:03	10:42	2396	PPM	OK
		28 NOV	18 11:32:08	10:42	2441	PPM	OK
		28 NOV	18 11:32:13	10:42	2415	PPM	OK
		28 NOV	18 11:32:18	10:42	2397	PPM	OK
		28 NOV	18 11:32:23	10:42	2405	PPM	OK
		28 NOV	18 11:32:28	10:42	2414	PPM	OK
		28 NOV	18 11:32:33	10:42	2470	PPM	OK
		28 NOV	18 11:32:38	10:42	2469	PPM	OK

**Run 2
2442**

RTO Inlet	DATA	DATE	TIME	TIME	T.O. Inlet Result (ppm as CH4)		
				Corrected			
28 NOV		18	11:32:43	10:42	2453	PPM	OK
28 NOV		18	11:32:48	10:42	2397	PPM	OK
28 NOV		18	11:32:53	10:42	2421	PPM	OK
28 NOV		18	11:32:58	10:42	2468	PPM	OK
28 NOV		18	11:33:03	10:43	2440	PPM	OK
28 NOV		18	11:33:08	10:43	2448	PPM	OK
28 NOV		18	11:33:13	10:43	2398	PPM	OK
28 NOV		18	11:33:18	10:43	2417	PPM	OK
28 NOV		18	11:33:23	10:43	2416	PPM	OK
28 NOV		18	11:33:28	10:43	2458	PPM	OK
28 NOV		18	11:33:33	10:43	2440	PPM	OK
28 NOV		18	11:33:38	10:43	2431	PPM	OK
28 NOV		18	11:33:43	10:43	2423	PPM	OK
28 NOV		18	11:33:48	10:43	2429	PPM	OK
28 NOV		18	11:33:53	10:43	2403	PPM	OK
28 NOV		18	11:33:58	10:43	2411	PPM	OK
28 NOV		18	11:34:03	10:44	2441	PPM	OK
28 NOV		18	11:34:08	10:44	2449	PPM	OK
28 NOV		18	11:34:13	10:44	2436	PPM	OK
28 NOV		18	11:34:18	10:44	2418	PPM	OK
28 NOV		18	11:34:23	10:44	2442	PPM	OK
28 NOV		18	11:34:28	10:44	2400	PPM	OK
28 NOV		18	11:34:33	10:44	2427	PPM	OK
28 NOV		18	11:34:38	10:44	2447	PPM	OK
28 NOV		18	11:34:43	10:44	2479	PPM	OK
28 NOV		18	11:34:48	10:44	2433	PPM	OK
28 NOV		18	11:34:53	10:44	2419	PPM	OK
28 NOV		18	11:34:58	10:44	2436	PPM	OK
28 NOV		18	11:35:03	10:45	2438	PPM	OK
28 NOV		18	11:35:08	10:45	2468	PPM	OK
28 NOV		18	11:35:13	10:45	2455	PPM	OK
28 NOV		18	11:35:18	10:45	2447	PPM	OK
28 NOV		18	11:35:23	10:45	2437	PPM	OK
28 NOV		18	11:35:28	10:45	2407	PPM	OK
28 NOV		18	11:35:33	10:45	2420	PPM	OK
28 NOV		18	11:35:38	10:45	2408	PPM	OK
28 NOV		18	11:35:43	10:45	2435	PPM	OK
28 NOV		18	11:35:48	10:45	2411	PPM	OK
28 NOV		18	11:35:53	10:45	2397	PPM	OK
28 NOV		18	11:35:58	10:45	2381	PPM	OK
28 NOV		18	11:36:03	10:46	2371	PPM	OK
28 NOV		18	11:36:08	10:46	2414	PPM	OK
28 NOV		18	11:36:13	10:46	2436	PPM	OK
28 NOV		18	11:36:18	10:46	2469	PPM	OK
28 NOV		18	11:36:23	10:46	2488	PPM	OK
28 NOV		18	11:36:28	10:46	2486	PPM	OK
28 NOV		18	11:36:33	10:46	2471	PPM	OK
28 NOV		18	11:36:38	10:46	2436	PPM	OK
28 NOV		18	11:36:43	10:46	2467	PPM	OK
28 NOV		18	11:36:48	10:46	2438	PPM	OK
28 NOV		18	11:36:53	10:46	2466	PPM	OK
28 NOV		18	11:36:58	10:46	2445	PPM	OK
28 NOV		18	11:37:03	10:47	2480	PPM	OK
28 NOV		18	11:37:08	10:47	2437	PPM	OK
28 NOV		18	11:37:13	10:47	2443	PPM	OK
28 NOV		18	11:37:18	10:47	2449	PPM	OK
28 NOV		18	11:37:23	10:47	2459	PPM	OK
28 NOV		18	11:37:28	10:47	2444	PPM	OK
28 NOV		18	11:37:33	10:47	2446	PPM	OK
28 NOV		18	11:37:38	10:47	2454	PPM	OK
28 NOV		18	11:37:43	10:47	2410	PPM	OK
28 NOV		18	11:37:48	10:47	2436	PPM	OK
28 NOV		18	11:37:53	10:47	2456	PPM	OK
28 NOV		18	11:37:58	10:47	2424	PPM	OK
28 NOV		18	11:38:03	10:48	2435	PPM	OK
28 NOV		18	11:38:08	10:48	2429	PPM	OK
28 NOV		18	11:38:13	10:48	2433	PPM	OK
28 NOV		18	11:38:18	10:48	2427	PPM	OK
28 NOV		18	11:38:23	10:48	2435	PPM	OK

RTO Inlet	DATA	DATE	TIME	TIME Corrected	T.O. Inlet Result (ppm as CH4)		
		28 NOV	18 11:38:28	10:48	2413	PPM	OK
		28 NOV	18 11:38:33	10:48	2426	PPM	OK
		28 NOV	18 11:38:38	10:48	2407	PPM	OK
		28 NOV	18 11:38:43	10:48	2405	PPM	OK
		28 NOV	18 11:38:48	10:48	2449	PPM	OK
		28 NOV	18 11:38:53	10:48	2467	PPM	OK
		28 NOV	18 11:38:58	10:48	2481	PPM	OK
		28 NOV	18 11:39:03	10:49	2451	PPM	OK
		28 NOV	18 11:39:08	10:49	2414	PPM	OK
		28 NOV	18 11:39:13	10:49	2419	PPM	OK
		28 NOV	18 11:39:18	10:49	2393	PPM	OK
		28 NOV	18 11:39:23	10:49	2416	PPM	OK
		28 NOV	18 11:39:28	10:49	2463	PPM	OK
		28 NOV	18 11:39:33	10:49	2429	PPM	OK
		28 NOV	18 11:39:38	10:49	2448	PPM	OK
		28 NOV	18 11:39:43	10:49	2414	PPM	OK
		28 NOV	18 11:39:48	10:49	2414	PPM	OK
		28 NOV	18 11:39:53	10:49	2423	PPM	OK
		28 NOV	18 11:39:58	10:49	2408	PPM	OK
		28 NOV	18 11:40:03	10:50	2422	PPM	OK
		28 NOV	18 11:40:08	10:50	2455	PPM	OK
		28 NOV	18 11:40:13	10:50	2476	PPM	OK
		28 NOV	18 11:40:18	10:50	2477	PPM	OK
		28 NOV	18 11:40:23	10:50	2451	PPM	OK
		28 NOV	18 11:40:28	10:50	2470	PPM	OK
		28 NOV	18 11:40:33	10:50	2499	PPM	OK
		28 NOV	18 11:40:38	10:50	2494	PPM	OK
		28 NOV	18 11:40:43	10:50	2466	PPM	OK
		28 NOV	18 11:40:48	10:50	2453	PPM	OK
		28 NOV	18 11:40:53	10:50	2442	PPM	OK
		28 NOV	18 11:40:58	10:50	2465	PPM	OK
		28 NOV	18 11:41:03	10:51	2486	PPM	OK
		28 NOV	18 11:41:08	10:51	2481	PPM	OK
		28 NOV	18 11:41:13	10:51	2507	PPM	OK
		28 NOV	18 11:41:18	10:51	2466	PPM	OK
		28 NOV	18 11:41:23	10:51	2447	PPM	OK
		28 NOV	18 11:41:28	10:51	2483	PPM	OK
		28 NOV	18 11:41:33	10:51	2450	PPM	OK
		28 NOV	18 11:41:38	10:51	2465	PPM	OK
		28 NOV	18 11:41:43	10:51	2492	PPM	OK
		28 NOV	18 11:41:48	10:51	2448	PPM	OK
		28 NOV	18 11:41:53	10:51	2470	PPM	OK
		28 NOV	18 11:41:58	10:51	2455	PPM	OK
		28 NOV	18 11:42:03	10:52	2431	PPM	OK
		28 NOV	18 11:42:08	10:52	2379	PPM	OK
		28 NOV	18 11:42:13	10:52	2358	PPM	OK
		28 NOV	18 11:42:18	10:52	2319	PPM	OK
		28 NOV	18 11:42:23	10:52	2311	PPM	OK
		28 NOV	18 11:42:28	10:52	2280	PPM	OK
		28 NOV	18 11:42:33	10:52	2268	PPM	OK
		28 NOV	18 11:42:38	10:52	2272	PPM	OK
		28 NOV	18 11:42:43	10:52	2294	PPM	OK
		28 NOV	18 11:42:48	10:52	2270	PPM	OK
		28 NOV	18 11:42:53	10:52	2251	PPM	OK
		28 NOV	18 11:42:58	10:52	2223	PPM	OK
		28 NOV	18 11:43:03	10:53	2228	PPM	OK
		28 NOV	18 11:43:08	10:53	2257	PPM	OK
		28 NOV	18 11:43:13	10:53	2269	PPM	OK
		28 NOV	18 11:43:18	10:53	2235	PPM	OK
		28 NOV	18 11:43:23	10:53	2206	PPM	OK
		28 NOV	18 11:43:28	10:53	2226	PPM	OK
		28 NOV	18 11:43:33	10:53	2250	PPM	OK
		28 NOV	18 11:43:38	10:53	2283	PPM	OK
		28 NOV	18 11:43:43	10:53	2226	PPM	OK
		28 NOV	18 11:43:48	10:53	2236	PPM	OK
		28 NOV	18 11:43:53	10:53	2246	PPM	OK
		28 NOV	18 11:43:58	10:53	2242	PPM	OK
		28 NOV	18 11:44:03	10:54	2240	PPM	OK
3M LIMS E18-0749	28 NOV		18 11:44:08	10:54	2218	PPM	OK

RTO Inlet	DATA	DATE	TIME	TIME	T.O. Inlet Result (ppm as CH4)		
				Corrected			
28 NOV		18	11:44:13	10:54	2275	PPM	OK
28 NOV		18	11:44:18	10:54	2248	PPM	OK
28 NOV		18	11:44:23	10:54	2293	PPM	OK
28 NOV		18	11:44:28	10:54	2431	PPM	OK
28 NOV		18	11:44:33	10:54	2447	PPM	OK
28 NOV		18	11:44:38	10:54	2500	PPM	OK
28 NOV		18	11:44:43	10:54	2490	PPM	OK
28 NOV		18	11:44:48	10:54	2445	PPM	OK
28 NOV		18	11:44:53	10:54	2470	PPM	OK
28 NOV		18	11:44:58	10:54	2463	PPM	OK
28 NOV		18	11:45:03	10:55	2471	PPM	OK
28 NOV		18	11:45:08	10:55	2524	PPM	OK
28 NOV		18	11:45:13	10:55	2527	PPM	OK
28 NOV		18	11:45:18	10:55	2488	PPM	OK
28 NOV		18	11:45:23	10:55	2341	PPM	OK
28 NOV		18	11:45:28	10:55	2267	PPM	OK
28 NOV		18	11:45:33	10:55	2314	PPM	OK
28 NOV		18	11:45:38	10:55	2328	PPM	OK
28 NOV		18	11:45:43	10:55	2360	PPM	OK
28 NOV		18	11:45:48	10:55	2315	PPM	OK
28 NOV		18	11:45:53	10:55	2286	PPM	OK
28 NOV		18	11:45:58	10:55	2274	PPM	OK
28 NOV		18	11:46:03	10:56	2286	PPM	OK
28 NOV		18	11:46:08	10:56	2338	PPM	OK
28 NOV		18	11:46:13	10:56	2365	PPM	OK
28 NOV		18	11:46:18	10:56	2349	PPM	OK
28 NOV		18	11:46:23	10:56	2328	PPM	OK
28 NOV		18	11:46:28	10:56	2339	PPM	OK
28 NOV		18	11:46:33	10:56	2318	PPM	OK
28 NOV		18	11:46:38	10:56	2350	PPM	OK
28 NOV		18	11:46:43	10:56	2379	PPM	OK
28 NOV		18	11:46:48	10:56	2380	PPM	OK
28 NOV		18	11:46:53	10:56	2404	PPM	OK
28 NOV		18	11:46:58	10:56	2392	PPM	OK
28 NOV		18	11:47:03	10:57	2369	PPM	OK
28 NOV		18	11:47:08	10:57	2388	PPM	OK
28 NOV		18	11:47:13	10:57	2410	PPM	OK
28 NOV		18	11:47:18	10:57	2418	PPM	OK
28 NOV		18	11:47:23	10:57	2457	PPM	OK
28 NOV		18	11:47:28	10:57	2471	PPM	OK
28 NOV		18	11:47:33	10:57	2439	PPM	OK
28 NOV		18	11:47:38	10:57	2412	PPM	OK
28 NOV		18	11:47:43	10:57	2386	PPM	OK
28 NOV		18	11:47:48	10:57	2411	PPM	OK
28 NOV		18	11:47:53	10:57	2421	PPM	OK
28 NOV		18	11:47:58	10:57	2454	PPM	OK
28 NOV		18	11:48:03	10:58	2468	PPM	OK
28 NOV		18	11:48:08	10:58	2419	PPM	OK
28 NOV		18	11:48:13	10:58	2401	PPM	OK
28 NOV		18	11:48:18	10:58	2464	PPM	OK
28 NOV		18	11:48:23	10:58	2507	PPM	OK
28 NOV		18	11:48:28	10:58	2449	PPM	OK
28 NOV		18	11:48:33	10:58	2431	PPM	OK
28 NOV		18	11:48:38	10:58	2384	PPM	OK
28 NOV		18	11:48:43	10:58	2411	PPM	OK
28 NOV		18	11:48:48	10:58	2401	PPM	OK
28 NOV		18	11:48:53	10:58	2428	PPM	OK
28 NOV		18	11:48:58	10:58	2449	PPM	OK
28 NOV		18	11:49:03	10:59	2462	PPM	OK
28 NOV		18	11:49:08	10:59	2469	PPM	OK
28 NOV		18	11:49:13	10:59	2467	PPM	OK
28 NOV		18	11:49:18	10:59	2422	PPM	OK
28 NOV		18	11:49:23	10:59	2427	PPM	OK
28 NOV		18	11:49:28	10:59	2455	PPM	OK
28 NOV		18	11:49:33	10:59	2447	PPM	OK
28 NOV		18	11:49:38	10:59	2443	PPM	OK
28 NOV		18	11:49:43	10:59	2422	PPM	OK
28 NOV		18	11:49:48	10:59	2403	PPM	OK
28 NOV		18	11:49:53	10:59	2424	PPM	OK

RTO Inlet	DATA	DATE	TIME	TIME	T.O. Inlet Result		
				Corrected	(ppm as CH4)		
28 NOV		18	11:49:58	10:59	2416	PPM	OK
28 NOV		18	11:50:03	11:00	2416	PPM	OK
28 NOV		18	11:50:08	11:00	2432	PPM	OK
28 NOV		18	11:50:13	11:00	2461	PPM	OK
28 NOV		18	11:50:18	11:00	2391	PPM	OK
28 NOV		18	11:50:23	11:00	2428	PPM	OK
28 NOV		18	11:50:28	11:00	2425	PPM	OK
28 NOV		18	11:50:33	11:00	2442	PPM	OK
28 NOV		18	11:50:38	11:00	2397	PPM	OK
28 NOV		18	11:50:43	11:00	2387	PPM	OK
28 NOV		18	11:50:48	11:00	2376	PPM	OK
28 NOV		18	11:50:53	11:00	2354	PPM	OK
28 NOV		18	11:50:58	11:00	2346	PPM	OK
28 NOV		18	11:51:03	11:01	2319	PPM	OK
28 NOV		18	11:51:08	11:01	2358	PPM	OK
28 NOV		18	11:51:13	11:01	2339	PPM	OK
28 NOV		18	11:51:18	11:01	2277	PPM	OK
28 NOV		18	11:51:23	11:01	2271	PPM	OK
28 NOV		18	11:51:28	11:01	2283	PPM	OK
28 NOV		18	11:51:33	11:01	2327	PPM	OK
28 NOV		18	11:51:38	11:01	2313	PPM	OK
28 NOV		18	11:51:43	11:01	2323	PPM	OK
28 NOV		18	11:51:48	11:01	2287	PPM	OK
28 NOV		18	11:51:53	11:01	2277	PPM	OK
28 NOV		18	11:51:58	11:01	2278	PPM	OK
28 NOV		18	11:52:03	11:02	2274	PPM	OK
28 NOV		18	11:52:08	11:02	2278	PPM	OK
28 NOV		18	11:52:13	11:02	2250	PPM	OK
28 NOV		18	11:52:18	11:02	2269	PPM	OK
28 NOV		18	11:52:23	11:02	2223	PPM	OK
AUTO	DATA	DATE	TIME	PID			
28 NOV		18	12:15:59	11:25	1026	PPM	OK
28 NOV		18	12:16:04	11:26	1020	PPM	OK
28 NOV		18	12:16:09	11:26	1029	PPM	OK
28 NOV		18	12:16:14	11:26	1022	PPM	OK
28 NOV		18	12:16:19	11:26	1028	PPM	OK
							1000ppm Cal

RTO Exhaust		DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV		18	10:42:41	8:57	3.4	PPM	OK
28	NOV		18	10:42:46	8:57	5.5	PPM	OK
28	NOV		18	10:42:51	8:57	10.2	PPM	OK
28	NOV		18	10:42:56	8:57	10.1	PPM	OK
28	NOV		18	10:43:01	8:58	10.2	PPM	OK
28	NOV		18	10:43:06	8:58	10.1	PPM	OK
28	NOV		18	10:43:11	8:58	10.1	PPM	OK
28	NOV		18	10:43:16	8:58	10.1	PPM	OK
28	NOV		18	10:43:21	8:58	10.1	PPM	OK
28	NOV		18	10:43:26	8:58	7	PPM	OK
28	NOV		18	10:43:31	8:58	3.9	PPM	OK
AUTO		DATA	DATE	TIME	PID			
28	NOV		18	10:48:53	9:03	22.1	PPM	OK
28	NOV		18	10:48:58	9:03	20.8	PPM	OK
28	NOV		18	10:49:03	9:04	21.1	PPM	OK
28	NOV		18	10:49:08	9:04	28.5	PPM	OK
28	NOV		18	10:49:13	9:04	17.6	PPM	OK
28	NOV		18	10:49:18	9:04	16.7	PPM	OK
28	NOV		18	10:49:23	9:04	14.7	PPM	OK
28	NOV		18	10:49:28	9:04	17.3	PPM	OK
28	NOV		18	10:49:33	9:04	19.3	PPM	OK
28	NOV		18	10:49:38	9:04	17.2	PPM	OK
28	NOV		18	10:49:43	9:04	15.2	PPM	OK
28	NOV		18	10:49:48	9:04	15.6	PPM	OK
28	NOV		18	10:49:53	9:04	14.9	PPM	OK
28	NOV		18	10:49:58	9:04	15	PPM	OK
28	NOV		18	10:50:03	9:05	15.3	PPM	OK
28	NOV		18	10:50:08	9:05	15.3	PPM	OK
28	NOV		18	10:50:13	9:05	12.8	PPM	OK
28	NOV		18	10:50:18	9:05	13	PPM	OK
28	NOV		18	10:50:23	9:05	12.1	PPM	OK
28	NOV		18	10:50:28	9:05	15.5	PPM	OK
28	NOV		18	10:50:33	9:05	15.3	PPM	OK
28	NOV		18	10:50:38	9:05	15.1	PPM	OK
28	NOV		18	10:50:43	9:05	13.8	PPM	OK
28	NOV		18	10:50:48	9:05	13.1	PPM	OK
28	NOV		18	10:50:53	9:05	12.3	PPM	OK
28	NOV		18	10:50:58	9:05	12.6	PPM	OK
28	NOV		18	10:51:03	9:06	11.7	PPM	OK
28	NOV		18	10:51:08	9:06	10.7	PPM	OK
28	NOV		18	10:51:13	9:06	6.5	PPM	OK
28	NOV		18	10:51:18	9:06	6.3	PPM	OK
28	NOV		18	10:51:23	9:06	6.1	PPM	OK
28	NOV		18	10:51:28	9:06	6.3	PPM	OK
28	NOV		18	10:51:33	9:06	7.9	PPM	OK
28	NOV		18	10:51:38	9:06	8.8	PPM	OK
28	NOV		18	10:51:43	9:06	10.3	PPM	OK
28	NOV		18	10:51:48	9:06	10.3	PPM	OK
28	NOV		18	10:51:53	9:06	9.6	PPM	OK
28	NOV		18	10:51:58	9:06	11.7	PPM	OK
28	NOV		18	10:52:03	9:07	11.6	PPM	OK
28	NOV		18	10:52:08	9:07	13.1	PPM	OK
28	NOV		18	10:52:13	9:07	16.2	PPM	OK
28	NOV		18	10:52:18	9:07	9.3	PPM	OK
28	NOV		18	10:52:23	9:07	6.7	PPM	OK
28	NOV		18	10:52:28	9:07	11.6	PPM	OK
28	NOV		18	10:52:33	9:07	14.8	PPM	OK
28	NOV		18	10:52:38	9:07	16.4	PPM	OK
28	NOV		18	10:52:43	9:07	16.3	PPM	OK
28	NOV		18	10:52:48	9:07	16.3	PPM	OK
28	NOV		18	10:52:53	9:07	17.8	PPM	OK
28	NOV		18	10:52:58	9:07	17.4	PPM	OK
28	NOV		18	10:53:03	9:08	16.6	PPM	OK
28	NOV		18	10:53:08	9:08	17.1	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected	RTO Exhaust		
					Time	(ppm as CH4)	
28	NOV	18	10:53:13	9:08	14.7	PPM	OK
28	NOV	18	10:53:18	9:08	14.3	PPM	OK
28	NOV	18	10:53:23	9:08	15.6	PPM	OK
28	NOV	18	10:53:28	9:08	21.3	PPM	OK
28	NOV	18	10:53:33	9:08	22.3	PPM	OK
28	NOV	18	10:53:38	9:08	22.4	PPM	OK
28	NOV	18	10:53:43	9:08	21.7	PPM	OK
28	NOV	18	10:53:48	9:08	21.6	PPM	OK
28	NOV	18	10:53:53	9:08	20.9	PPM	OK
28	NOV	18	10:53:58	9:08	20.5	PPM	OK
28	NOV	18	10:54:03	9:09	21	PPM	OK
28	NOV	18	10:54:08	9:09	21.3	PPM	OK
28	NOV	18	10:54:13	9:09	23.8	PPM	OK
28	NOV	18	10:54:18	9:09	18.5	PPM	OK
28	NOV	18	10:54:23	9:09	14.7	PPM	OK
28	NOV	18	10:54:28	9:09	17.2	PPM	OK
28	NOV	18	10:54:33	9:09	19.1	PPM	OK
28	NOV	18	10:54:38	9:09	18.7	PPM	OK
28	NOV	18	10:54:43	9:09	17	PPM	OK
28	NOV	18	10:54:48	9:09	15.6	PPM	OK
28	NOV	18	10:54:53	9:09	14.6	PPM	OK
28	NOV	18	10:54:58	9:09	14.4	PPM	OK
28	NOV	18	10:55:03	9:10	14.5	PPM	OK
28	NOV	18	10:55:08	9:10	14	PPM	OK
28	NOV	18	10:55:13	9:10	13	PPM	OK
28	NOV	18	10:55:18	9:10	12	PPM	OK
28	NOV	18	10:55:23	9:10	11.6	PPM	OK
28	NOV	18	10:55:28	9:10	13.9	PPM	OK
28	NOV	18	10:55:33	9:10	15.1	PPM	OK
28	NOV	18	10:55:38	9:10	15.5	PPM	OK
28	NOV	18	10:55:43	9:10	14.2	PPM	OK
28	NOV	18	10:55:48	9:10	14.1	PPM	OK
28	NOV	18	10:55:53	9:10	13.3	PPM	OK
28	NOV	18	10:55:58	9:10	12.2	PPM	OK
28	NOV	18	10:56:03	9:11	12.4	PPM	OK
28	NOV	18	10:56:08	9:11	11.6	PPM	OK
28	NOV	18	10:56:13	9:11	8	PPM	OK
28	NOV	18	10:56:18	9:11	6.8	PPM	OK
28	NOV	18	10:56:23	9:11	6.3	PPM	OK
28	NOV	18	10:56:28	9:11	7	PPM	OK
28	NOV	18	10:56:33	9:11	7.8	PPM	OK
28	NOV	18	10:56:38	9:11	8.9	PPM	OK
28	NOV	18	10:56:43	9:11	8.9	PPM	OK
28	NOV	18	10:56:48	9:11	10.4	PPM	OK
28	NOV	18	10:56:53	9:11	10.8	PPM	OK
28	NOV	18	10:56:58	9:11	12	PPM	OK
28	NOV	18	10:57:03	9:12	12.3	PPM	OK
28	NOV	18	10:57:08	9:12	12.9	PPM	OK
28	NOV	18	10:57:13	9:12	22.6	PPM	OK
28	NOV	18	10:57:18	9:12	12.7	PPM	OK
28	NOV	18	10:57:23	9:12	8.5	PPM	OK
28	NOV	18	10:57:28	9:12	11.4	PPM	OK
28	NOV	18	10:57:33	9:12	14.2	PPM	OK
28	NOV	18	10:57:38	9:12	15.9	PPM	OK
28	NOV	18	10:57:43	9:12	17.1	PPM	OK
28	NOV	18	10:57:48	9:12	18.3	PPM	OK
28	NOV	18	10:57:53	9:12	17.6	PPM	OK
28	NOV	18	10:57:58	9:12	17.3	PPM	OK
28	NOV	18	10:58:03	9:13	16.4	PPM	OK
28	NOV	18	10:58:08	9:13	16.5	PPM	OK
28	NOV	18	10:58:13	9:13	17.3	PPM	OK
28	NOV	18	10:58:18	9:13	15.9	PPM	OK
28	NOV	18	10:58:23	9:13	15.3	PPM	OK
28	NOV	18	10:58:28	9:13	18.7	PPM	OK
28	NOV	18	10:58:33	9:13	21.6	PPM	OK
28	NOV	18	10:58:38	9:13	23.5	PPM	OK
28	NOV	18	10:58:43	9:13	23.5	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
					Time	PPM	OK
28	NOV	18	10:58:48	9:13	22.1	PPM	OK
28	NOV	18	10:58:53	9:13	23.1	PPM	OK
28	NOV	18	10:58:58	9:13	21.2	PPM	OK
28	NOV	18	10:59:03	9:14	21.8	PPM	OK
28	NOV	18	10:59:08	9:14	21.3	PPM	OK
28	NOV	18	10:59:13	9:14	25.8	PPM	OK
28	NOV	18	10:59:18	9:14	19.5	PPM	OK
28	NOV	18	10:59:23	9:14	18.5	PPM	OK
28	NOV	18	10:59:28	9:14	15.3	PPM	OK
28	NOV	18	10:59:33	9:14	14.3	PPM	OK
28	NOV	18	10:59:38	9:14	13.4	PPM	OK
28	NOV	18	10:59:43	9:14	13.2	PPM	OK
28	NOV	18	10:59:48	9:14	11.9	PPM	OK
28	NOV	18	10:59:53	9:14	11.5	PPM	OK
28	NOV	18	10:59:58	9:14	12	PPM	OK
28	NOV	18	11:00:03	9:15	12.6	PPM	OK
28	NOV	18	11:00:08	9:15	12.3	PPM	OK
28	NOV	18	11:00:13	9:15	14.7	PPM	OK
28	NOV	18	11:00:18	9:15	11.4	PPM	OK
28	NOV	18	11:00:23	9:15	12.2	PPM	OK
28	NOV	18	11:00:28	9:15	9.8	PPM	OK
28	NOV	18	11:00:33	9:15	10.3	PPM	OK
28	NOV	18	11:00:38	9:15	11	PPM	OK
28	NOV	18	11:00:43	9:15	11.2	PPM	OK
28	NOV	18	11:00:48	9:15	12.2	PPM	OK
28	NOV	18	11:00:53	9:15	11.1	PPM	OK
28	NOV	18	11:00:58	9:15	11.3	PPM	OK
28	NOV	18	11:01:03	9:16	9.8	PPM	OK
28	NOV	18	11:01:08	9:16	9.2	PPM	OK
28	NOV	18	11:01:13	9:16	10	PPM	OK
28	NOV	18	11:01:18	9:16	6.4	PPM	OK
28	NOV	18	11:01:23	9:16	5.1	PPM	OK
28	NOV	18	11:01:28	9:16	4.5	PPM	OK
28	NOV	18	11:01:33	9:16	4.5	PPM	OK
28	NOV	18	11:01:38	9:16	4.4	PPM	OK
28	NOV	18	11:01:43	9:16	4.9	PPM	OK
28	NOV	18	11:01:48	9:16	5.9	PPM	OK
28	NOV	18	11:01:53	9:16	6.3	PPM	OK
28	NOV	18	11:01:58	9:16	7.3	PPM	OK
28	NOV	18	11:02:03	9:17	8.1	PPM	OK
28	NOV	18	11:02:08	9:17	8.9	PPM	OK
28	NOV	18	11:02:13	9:17	10.1	PPM	OK
28	NOV	18	11:02:18	9:17	18.4	PPM	OK
28	NOV	18	11:02:23	9:17	11.2	PPM	OK
28	NOV	18	11:02:28	9:17	8.5	PPM	OK
28	NOV	18	11:02:33	9:17	10.4	PPM	OK
28	NOV	18	11:02:38	9:17	12.4	PPM	OK
28	NOV	18	11:02:43	9:17	14	PPM	OK
28	NOV	18	11:02:48	9:17	15.3	PPM	OK
28	NOV	18	11:02:53	9:17	16.2	PPM	OK
28	NOV	18	11:02:58	9:17	15.4	PPM	OK
28	NOV	18	11:03:03	9:18	15.3	PPM	OK
28	NOV	18	11:03:08	9:18	15.3	PPM	OK
28	NOV	18	11:03:13	9:18	15.5	PPM	OK
28	NOV	18	11:03:18	9:18	16.2	PPM	OK
28	NOV	18	11:03:23	9:18	15.2	PPM	OK
28	NOV	18	11:03:28	9:18	14.3	PPM	OK
28	NOV	18	11:03:33	9:18	21.6	PPM	OK
28	NOV	18	11:03:38	9:18	24.7	PPM	OK
28	NOV	18	11:03:43	9:18	24.4	PPM	OK
28	NOV	18	11:03:48	9:18	23.9	PPM	OK
28	NOV	18	11:03:53	9:18	23	PPM	OK
28	NOV	18	11:03:58	9:18	23.4	PPM	OK
28	NOV	18	11:04:03	9:19	23.9	PPM	OK
28	NOV	18	11:04:08	9:19	23.2	PPM	OK
28	NOV	18	11:04:13	9:19	22.4	PPM	OK
28	NOV	18	11:04:18	9:19	30.7	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	11:04:23	9:19	19.8	PPM	OK
28	NOV	18	11:04:28	9:19	16	PPM	OK
28	NOV	18	11:04:33	9:19	16.5	PPM	OK
28	NOV	18	11:04:38	9:19	16.2	PPM	OK
28	NOV	18	11:04:43	9:19	16.2	PPM	OK
28	NOV	18	11:04:48	9:19	15	PPM	OK
28	NOV	18	11:04:53	9:19	13.8	PPM	OK
28	NOV	18	11:04:58	9:19	13	PPM	OK
28	NOV	18	11:05:03	9:20	12.2	PPM	OK
28	NOV	18	11:05:08	9:20	11.9	PPM	OK
28	NOV	18	11:05:13	9:20	11.3	PPM	OK
28	NOV	18	11:05:18	9:20	10.7	PPM	OK
28	NOV	18	11:05:23	9:20	10.6	PPM	OK
28	NOV	18	11:05:28	9:20	8.6	PPM	OK
28	NOV	18	11:05:33	9:20	10.7	PPM	OK
28	NOV	18	11:05:38	9:20	11.8	PPM	OK
28	NOV	18	11:05:43	9:20	13.6	PPM	OK
28	NOV	18	11:05:48	9:20	13.7	PPM	OK
28	NOV	18	11:05:53	9:20	13.5	PPM	OK
28	NOV	18	11:05:58	9:20	13.8	PPM	OK
28	NOV	18	11:06:03	9:21	13	PPM	OK
28	NOV	18	11:06:08	9:21	13.2	PPM	OK
28	NOV	18	11:06:13	9:21	12.4	PPM	OK
28	NOV	18	11:06:18	9:21	8.7	PPM	OK
28	NOV	18	11:06:23	9:21	7.7	PPM	OK
28	NOV	18	11:06:28	9:21	7.6	PPM	OK
28	NOV	18	11:06:33	9:21	7	PPM	OK
28	NOV	18	11:06:38	9:21	7.8	PPM	OK
28	NOV	18	11:06:43	9:21	8.7	PPM	OK
28	NOV	18	11:06:48	9:21	9.6	PPM	OK
28	NOV	18	11:06:53	9:21	10.1	PPM	OK
28	NOV	18	11:06:58	9:21	10.5	PPM	OK
28	NOV	18	11:07:03	9:22	11	PPM	OK
28	NOV	18	11:07:08	9:22	11.7	PPM	OK
28	NOV	18	11:07:13	9:22	11.7	PPM	OK
28	NOV	18	11:07:18	9:22	20.6	PPM	OK
28	NOV	18	11:07:23	9:22	12.9	PPM	OK
28	NOV	18	11:07:28	9:22	9.3	PPM	OK
28	NOV	18	11:07:33	9:22	11.2	PPM	OK
28	NOV	18	11:07:38	9:22	14.6	PPM	OK
28	NOV	18	11:07:43	9:22	16.2	PPM	OK
28	NOV	18	11:07:48	9:22	16.3	PPM	OK
28	NOV	18	11:07:53	9:22	17.2	PPM	OK
28	NOV	18	11:07:58	9:22	16	PPM	OK
28	NOV	18	11:08:03	9:23	15.8	PPM	OK
28	NOV	18	11:08:08	9:23	15.4	PPM	OK
28	NOV	18	11:08:13	9:23	14.9	PPM	OK
28	NOV	18	11:08:18	9:23	17.8	PPM	OK
28	NOV	18	11:08:23	9:23	13.9	PPM	OK
28	NOV	18	11:08:28	9:23	14.3	PPM	OK
28	NOV	18	11:08:33	9:23	14.4	PPM	OK
28	NOV	18	11:08:38	9:23	19	PPM	OK
28	NOV	18	11:08:43	9:23	22.7	PPM	OK
28	NOV	18	11:08:48	9:23	23.5	PPM	OK
28	NOV	18	11:08:53	9:23	23.1	PPM	OK
28	NOV	18	11:08:58	9:23	23.3	PPM	OK
28	NOV	18	11:09:03	9:24	22.9	PPM	OK
28	NOV	18	11:09:08	9:24	22.1	PPM	OK
28	NOV	18	11:09:13	9:24	21.4	PPM	OK
28	NOV	18	11:09:18	9:24	23.6	PPM	OK
28	NOV	18	11:09:23	9:24	29.3	PPM	OK
28	NOV	18	11:09:28	9:24	22.8	PPM	OK
28	NOV	18	11:09:33	9:24	16.7	PPM	OK
28	NOV	18	11:09:38	9:24	17.4	PPM	OK
28	NOV	18	11:09:43	9:24	18.7	PPM	OK
28	NOV	18	11:09:48	9:24	18.5	PPM	OK
28	NOV	18	11:09:53	9:24	18.2	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	11:09:58	9:24	16.9	PPM	OK
28	NOV	18	11:10:03	9:25	15.8	PPM	OK
28	NOV	18	11:10:08	9:25	15.2	PPM	OK
28	NOV	18	11:10:13	9:25	14.5	PPM	OK
28	NOV	18	11:10:18	9:25	15.8	PPM	OK
28	NOV	18	11:10:23	9:25	12.6	PPM	OK
28	NOV	18	11:10:28	9:25	12.5	PPM	OK
28	NOV	18	11:10:33	9:25	10.9	PPM	OK
28	NOV	18	11:10:38	9:25	13.3	PPM	OK
28	NOV	18	11:10:43	9:25	13.1	PPM	OK
28	NOV	18	11:10:48	9:25	12.6	PPM	OK
28	NOV	18	11:10:53	9:25	12.3	PPM	OK
28	NOV	18	11:10:58	9:25	12.2	PPM	OK
28	NOV	18	11:11:03	9:26	12	PPM	OK
28	NOV	18	11:11:08	9:26	10.9	PPM	OK
28	NOV	18	11:11:13	9:26	10.4	PPM	OK
28	NOV	18	11:11:18	9:26	10.9	PPM	OK
28	NOV	18	11:11:23	9:26	6.8	PPM	OK
28	NOV	18	11:11:28	9:26	6.1	PPM	OK
28	NOV	18	11:11:33	9:26	5.4	PPM	OK
28	NOV	18	11:11:38	9:26	5.8	PPM	OK
28	NOV	18	11:11:43	9:26	5.5	PPM	OK
28	NOV	18	11:11:48	9:26	6	PPM	OK
28	NOV	18	11:11:53	9:26	6.7	PPM	OK
28	NOV	18	11:11:58	9:26	7.5	PPM	OK
28	NOV	18	11:12:03	9:27	7.6	PPM	OK
28	NOV	18	11:12:08	9:27	7.9	PPM	OK
28	NOV	18	11:12:13	9:27	9.1	PPM	OK
28	NOV	18	11:12:18	9:27	10	PPM	OK
28	NOV	18	11:12:23	9:27	19	PPM	OK
28	NOV	18	11:12:28	9:27	11.1	PPM	OK
28	NOV	18	11:12:33	9:27	8.4	PPM	OK
28	NOV	18	11:12:38	9:27	9.3	PPM	OK
28	NOV	18	11:12:43	9:27	13.2	PPM	OK
28	NOV	18	11:12:48	9:27	15.2	PPM	OK
28	NOV	18	11:12:53	9:27	15	PPM	OK
28	NOV	18	11:12:58	9:27	15.2	PPM	OK
28	NOV	18	11:13:03	9:28	16.4	PPM	OK
28	NOV	18	11:13:08	9:28	16.6	PPM	OK
28	NOV	18	11:13:13	9:28	16.2	PPM	OK
28	NOV	18	11:13:18	9:28	16.3	PPM	OK
28	NOV	18	11:13:23	9:28	17	PPM	OK
28	NOV	18	11:13:28	9:28	16	PPM	OK
28	NOV	18	11:13:33	9:28	15	PPM	OK
28	NOV	18	11:13:38	9:28	19.4	PPM	OK
28	NOV	18	11:13:43	9:28	21	PPM	OK
28	NOV	18	11:13:48	9:28	24.4	PPM	OK
28	NOV	18	11:13:53	9:28	24.3	PPM	OK
28	NOV	18	11:13:58	9:28	22.7	PPM	OK
28	NOV	18	11:14:03	9:29	23.6	PPM	OK
28	NOV	18	11:14:08	9:29	24.6	PPM	OK
28	NOV	18	11:14:13	9:29	22.7	PPM	OK
28	NOV	18	11:14:18	9:29	21.9	PPM	OK
28	NOV	18	11:14:23	9:29	37.9	PPM	OK
28	NOV	18	11:14:28	9:29	22.4	PPM	OK
28	NOV	18	11:14:33	9:29	17	PPM	OK
28	NOV	18	11:14:38	9:29	16.5	PPM	OK
28	NOV	18	11:14:43	9:29	17.5	PPM	OK
28	NOV	18	11:14:48	9:29	17.6	PPM	OK
28	NOV	18	11:14:53	9:29	17.8	PPM	OK
28	NOV	18	11:14:58	9:29	16.1	PPM	OK
28	NOV	18	11:15:03	9:30	15.2	PPM	OK
28	NOV	18	11:15:08	9:30	13.9	PPM	OK
28	NOV	18	11:15:13	9:30	13.7	PPM	OK
28	NOV	18	11:15:18	9:30	13.3	PPM	OK
28	NOV	18	11:15:23	9:30	13.6	PPM	OK
28	NOV	18	11:15:28	9:30	12.7	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	11:15:33	9:30	10.6	PPM	OK
28	NOV	18	11:15:38	9:30	11.2	PPM	OK
28	NOV	18	11:15:43	9:30	12.1	PPM	OK
28	NOV	18	11:15:48	9:30	12.4	PPM	OK
28	NOV	18	11:15:53	9:30	13.7	PPM	OK
28	NOV	18	11:15:58	9:30	12.6	PPM	OK
28	NOV	18	11:16:03	9:31	12.2	PPM	OK
28	NOV	18	11:16:08	9:31	11.6	PPM	OK
28	NOV	18	11:16:13	9:31	10.8	PPM	OK
28	NOV	18	11:16:18	9:31	10.2	PPM	OK
28	NOV	18	11:16:23	9:31	9	PPM	OK
28	NOV	18	11:16:28	9:31	6.3	PPM	OK
28	NOV	18	11:16:33	9:31	5.8	PPM	OK
28	NOV	18	11:16:38	9:31	5.7	PPM	OK
28	NOV	18	11:16:43	9:31	5.9	PPM	OK
28	NOV	18	11:16:48	9:31	6	PPM	OK
28	NOV	18	11:16:53	9:31	6.3	PPM	OK
28	NOV	18	11:16:58	9:31	7	PPM	OK
28	NOV	18	11:17:03	9:32	7.8	PPM	OK
28	NOV	18	11:17:08	9:32	8.5	PPM	OK
28	NOV	18	11:17:13	9:32	8.7	PPM	OK
28	NOV	18	11:17:18	9:32	9.1	PPM	OK
28	NOV	18	11:17:23	9:32	15.9	PPM	OK
28	NOV	18	11:17:28	9:32	12.4	PPM	OK
28	NOV	18	11:17:33	9:32	10.1	PPM	OK
28	NOV	18	11:17:38	9:32	8.5	PPM	OK
28	NOV	18	11:17:43	9:32	11.4	PPM	OK
28	NOV	18	11:17:48	9:32	13.2	PPM	OK
28	NOV	18	11:17:53	9:32	15.5	PPM	OK
28	NOV	18	11:17:58	9:32	15.9	PPM	OK
28	NOV	18	11:18:03	9:33	15.4	PPM	OK
28	NOV	18	11:18:08	9:33	15.4	PPM	OK
28	NOV	18	11:18:13	9:33	16.8	PPM	OK
28	NOV	18	11:18:18	9:33	15.8	PPM	OK
28	NOV	18	11:18:23	9:33	21.4	PPM	OK
28	NOV	18	11:18:28	9:33	16.3	PPM	OK
28	NOV	18	11:18:33	9:33	15.1	PPM	OK
28	NOV	18	11:18:38	9:33	17.6	PPM	OK
28	NOV	18	11:18:43	9:33	22	PPM	OK
28	NOV	18	11:18:48	9:33	23.9	PPM	OK
28	NOV	18	11:18:53	9:33	23.3	PPM	OK
28	NOV	18	11:18:58	9:33	23.3	PPM	OK
28	NOV	18	11:19:03	9:34	25.5	PPM	OK
28	NOV	18	11:19:08	9:34	23.7	PPM	OK
28	NOV	18	11:19:13	9:34	22.8	PPM	OK
28	NOV	18	11:19:18	9:34	22.5	PPM	OK
28	NOV	18	11:19:23	9:34	26.2	PPM	OK
28	NOV	18	11:19:28	9:34	26.5	PPM	OK
28	NOV	18	11:19:33	9:34	19.8	PPM	OK
28	NOV	18	11:19:38	9:34	15.4	PPM	OK
28	NOV	18	11:19:43	9:34	17.6	PPM	OK
28	NOV	18	11:19:48	9:34	18.5	PPM	OK
28	NOV	18	11:19:53	9:34	18.1	PPM	OK
28	NOV	18	11:19:58	9:34	17.4	PPM	OK
28	NOV	18	11:20:03	9:35	16.8	PPM	OK
28	NOV	18	11:20:08	9:35	14.9	PPM	OK
28	NOV	18	11:20:13	9:35	14.8	PPM	OK
28	NOV	18	11:20:18	9:35	14.6	PPM	OK
28	NOV	18	11:20:23	9:35	15.6	PPM	OK
28	NOV	18	11:20:28	9:35	13.8	PPM	OK
28	NOV	18	11:20:33	9:35	12.6	PPM	OK
28	NOV	18	11:20:38	9:35	10.7	PPM	OK
28	NOV	18	11:20:43	9:35	12	PPM	OK
28	NOV	18	11:20:48	9:35	12.2	PPM	OK
28	NOV	18	11:20:53	9:35	13.5	PPM	OK
28	NOV	18	11:20:58	9:35	13.4	PPM	OK
28	NOV	18	11:21:03	9:36	12.8	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	11:21:08	9:36	11.8	PPM	OK
28	NOV	18	11:21:13	9:36	11.2	PPM	OK
28	NOV	18	11:21:18	9:36	10.6	PPM	OK
28	NOV	18	11:21:23	9:36	11.7	PPM	OK
28	NOV	18	11:21:28	9:36	7.1	PPM	OK
28	NOV	18	11:21:33	9:36	6.8	PPM	OK
28	NOV	18	11:21:38	9:36	5.4	PPM	OK
28	NOV	18	11:21:43	9:36	6.1	PPM	OK
28	NOV	18	11:21:48	9:36	6.1	PPM	OK
28	NOV	18	11:21:53	9:36	6.7	PPM	OK
28	NOV	18	11:21:58	9:36	7.5	PPM	OK
28	NOV	18	11:22:03	9:37	7.6	PPM	OK
28	NOV	18	11:22:08	9:37	7.9	PPM	OK
28	NOV	18	11:22:13	9:37	9.6	PPM	OK
28	NOV	18	11:22:18	9:37	8.7	PPM	OK
28	NOV	18	11:22:23	9:37	10.4	PPM	OK
28	NOV	18	11:22:28	9:37	17.3	PPM	OK
28	NOV	18	11:22:33	9:37	9.5	PPM	OK
28	NOV	18	11:22:38	9:37	8.2	PPM	OK
28	NOV	18	11:22:43	9:37	10.3	PPM	OK
28	NOV	18	11:22:48	9:37	13.2	PPM	OK
28	NOV	18	11:22:53	9:37	16.2	PPM	OK
28	NOV	18	11:22:58	9:37	17.6	PPM	OK
28	NOV	18	11:23:03	9:38	17.3	PPM	OK
28	NOV	18	11:23:08	9:38	16.3	PPM	OK
28	NOV	18	11:23:13	9:38	16.4	PPM	OK
28	NOV	18	11:23:18	9:38	16.7	PPM	OK
28	NOV	18	11:23:23	9:38	16.4	PPM	OK
28	NOV	18	11:23:28	9:38	16.6	PPM	OK
28	NOV	18	11:23:33	9:38	16.8	PPM	OK
28	NOV	18	11:23:38	9:38	15.5	PPM	OK
28	NOV	18	11:23:43	9:38	20	PPM	OK
28	NOV	18	11:23:48	9:38	21.2	PPM	OK
28	NOV	18	11:23:53	9:38	22.7	PPM	OK
28	NOV	18	11:23:58	9:38	24.1	PPM	OK
28	NOV	18	11:24:03	9:39	22.7	PPM	OK
28	NOV	18	11:24:08	9:39	22.7	PPM	OK
28	NOV	18	11:24:13	9:39	22.2	PPM	OK
28	NOV	18	11:24:18	9:39	22.3	PPM	OK
28	NOV	18	11:24:23	9:39	22.5	PPM	OK
28	NOV	18	11:24:28	9:39	35.3	PPM	OK
28	NOV	18	11:24:33	9:39	22	PPM	OK
28	NOV	18	11:24:38	9:39	16.5	PPM	OK
28	NOV	18	11:24:43	9:39	15.9	PPM	OK
28	NOV	18	11:24:48	9:39	17.5	PPM	OK
28	NOV	18	11:24:53	9:39	17.1	PPM	OK
28	NOV	18	11:24:58	9:39	17.2	PPM	OK
28	NOV	18	11:25:03	9:40	16.6	PPM	OK
28	NOV	18	11:25:08	9:40	14.9	PPM	OK
28	NOV	18	11:25:13	9:40	14	PPM	OK
28	NOV	18	11:25:18	9:40	15.1	PPM	OK
28	NOV	18	11:25:23	9:40	13.8	PPM	OK
28	NOV	18	11:25:28	9:40	13	PPM	OK
28	NOV	18	11:25:33	9:40	13.3	PPM	OK
28	NOV	18	11:25:38	9:40	10.3	PPM	OK
28	NOV	18	11:25:43	9:40	12.2	PPM	OK
28	NOV	18	11:25:48	9:40	13	PPM	OK
28	NOV	18	11:25:53	9:40	13.4	PPM	OK
28	NOV	18	11:25:58	9:40	13.6	PPM	OK
28	NOV	18	11:26:03	9:41	13.5	PPM	OK
28	NOV	18	11:26:08	9:41	12	PPM	OK
28	NOV	18	11:26:13	9:41	11.3	PPM	OK
28	NOV	18	11:26:18	9:41	11.3	PPM	OK
28	NOV	18	11:26:23	9:41	9.9	PPM	OK
28	NOV	18	11:26:28	9:41	8.2	PPM	OK
28	NOV	18	11:26:33	9:41	6.6	PPM	OK
28	NOV	18	11:26:38	9:41	5.9	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	11:26:43	9:41	5.6	PPM	OK
28	NOV	18	11:26:48	9:41	5.9	PPM	OK
28	NOV	18	11:26:53	9:41	6.5	PPM	OK
28	NOV	18	11:26:58	9:41	6.6	PPM	OK
28	NOV	18	11:27:03	9:42	8	PPM	OK
28	NOV	18	11:27:08	9:42	8.5	PPM	OK
28	NOV	18	11:27:13	9:42	8.8	PPM	OK
28	NOV	18	11:27:18	9:42	9.2	PPM	OK
28	NOV	18	11:27:23	9:42	9.5	PPM	OK
28	NOV	18	11:27:28	9:42	14.1	PPM	OK
28	NOV	18	11:27:33	9:42	12.5	PPM	OK
28	NOV	18	11:27:38	9:42	8.8	PPM	OK
28	NOV	18	11:27:43	9:42	7.9	PPM	OK
28	NOV	18	11:27:48	9:42	12.6	PPM	OK
28	NOV	18	11:27:53	9:42	14	PPM	OK
28	NOV	18	11:27:58	9:42	15.6	PPM	OK
28	NOV	18	11:28:03	9:43	17	PPM	OK
28	NOV	18	11:28:08	9:43	16.8	PPM	OK
28	NOV	18	11:28:13	9:43	17.3	PPM	OK
28	NOV	18	11:28:18	9:43	16.7	PPM	OK
28	NOV	18	11:28:23	9:43	17.2	PPM	OK
28	NOV	18	11:28:28	9:43	20.4	PPM	OK
28	NOV	18	11:28:33	9:43	16.4	PPM	OK
28	NOV	18	11:28:38	9:43	16.4	PPM	OK
28	NOV	18	11:28:43	9:43	16.6	PPM	OK
28	NOV	18	11:28:48	9:43	21.9	PPM	OK
28	NOV	18	11:28:53	9:43	24.2	PPM	OK
28	NOV	18	11:28:58	9:43	23.5	PPM	OK
28	NOV	18	11:29:03	9:44	23.5	PPM	OK
28	NOV	18	11:29:08	9:44	24	PPM	OK
28	NOV	18	11:29:13	9:44	23.4	PPM	OK
28	NOV	18	11:29:18	9:44	24.6	PPM	OK
28	NOV	18	11:29:23	9:44	24.4	PPM	OK
28	NOV	18	11:29:28	9:44	28.4	PPM	OK
28	NOV	18	11:29:33	9:44	22.7	PPM	OK
28	NOV	18	11:29:38	9:44	19.6	PPM	OK
28	NOV	18	11:29:43	9:44	15.7	PPM	OK
28	NOV	18	11:29:48	9:44	18.8	PPM	OK
28	NOV	18	11:29:53	9:44	18.3	PPM	OK
28	NOV	18	11:29:58	9:44	19.2	PPM	OK
28	NOV	18	11:30:03	9:45	17	PPM	OK
28	NOV	18	11:30:08	9:45	16.4	PPM	OK
28	NOV	18	11:30:13	9:45	16.1	PPM	OK
28	NOV	18	11:30:18	9:45	15.2	PPM	OK
28	NOV	18	11:30:23	9:45	15.3	PPM	OK
28	NOV	18	11:30:28	9:45	15.6	PPM	OK
28	NOV	18	11:30:33	9:45	13.9	PPM	OK
28	NOV	18	11:30:38	9:45	12.6	PPM	OK
28	NOV	18	11:30:43	9:45	11.7	PPM	OK
28	NOV	18	11:30:48	9:45	13.7	PPM	OK
28	NOV	18	11:30:53	9:45	14.8	PPM	OK
28	NOV	18	11:30:58	9:45	14.9	PPM	OK
28	NOV	18	11:31:03	9:46	14.2	PPM	OK
28	NOV	18	11:31:08	9:46	13.7	PPM	OK
28	NOV	18	11:31:13	9:46	13	PPM	OK
28	NOV	18	11:31:18	9:46	11.9	PPM	OK
28	NOV	18	11:31:23	9:46	11.8	PPM	OK
28	NOV	18	11:31:28	9:46	11.9	PPM	OK
28	NOV	18	11:31:33	9:46	7.2	PPM	OK
28	NOV	18	11:31:38	9:46	7	PPM	OK
28	NOV	18	11:31:43	9:46	6.1	PPM	OK
28	NOV	18	11:31:48	9:46	6.4	PPM	OK
28	NOV	18	11:31:53	9:46	6.6	PPM	OK
28	NOV	18	11:31:58	9:46	7.3	PPM	OK
28	NOV	18	11:32:03	9:47	8.1	PPM	OK
28	NOV	18	11:32:08	9:47	8.7	PPM	OK
28	NOV	18	11:32:13	9:47	9.5	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
					Time	PPM	OK
28	NOV	18	11:32:18	9:47	10.3	PPM	OK
28	NOV	18	11:32:23	9:47	9.7	PPM	OK
28	NOV	18	11:32:28	9:47	11.5	PPM	OK
28	NOV	18	11:32:33	9:47	20	PPM	OK
28	NOV	18	11:32:38	9:47	12.2	PPM	OK
28	NOV	18	11:32:43	9:47	8.6	PPM	OK
28	NOV	18	11:32:48	9:47	11.1	PPM	OK
28	NOV	18	11:32:53	9:47	14.2	PPM	OK
28	NOV	18	11:32:58	9:47	16.1	PPM	OK
28	NOV	18	11:33:03	9:48	16.9	PPM	OK
28	NOV	18	11:33:08	9:48	16.9	PPM	OK
28	NOV	18	11:33:13	9:48	16.8	PPM	OK
28	NOV	18	11:33:18	9:48	16.6	PPM	OK
28	NOV	18	11:33:23	9:48	16.9	PPM	OK
28	NOV	18	11:33:28	9:48	17.3	PPM	OK
28	NOV	18	11:33:33	9:48	17.2	PPM	OK
28	NOV	18	11:33:38	9:48	17.7	PPM	OK
28	NOV	18	11:33:43	9:48	16.3	PPM	OK
28	NOV	18	11:33:48	9:48	22.7	PPM	OK
28	NOV	18	11:33:53	9:48	24.8	PPM	OK
28	NOV	18	11:33:58	9:48	25.7	PPM	OK
28	NOV	18	11:34:03	9:49	25	PPM	OK
28	NOV	18	11:34:08	9:49	24.3	PPM	OK
28	NOV	18	11:34:13	9:49	24	PPM	OK
28	NOV	18	11:34:18	9:49	23.9	PPM	OK
28	NOV	18	11:34:23	9:49	24.1	PPM	OK
28	NOV	18	11:34:28	9:49	22.8	PPM	OK
28	NOV	18	11:34:33	9:49	38.2	PPM	OK
28	NOV	18	11:34:38	9:49	22.2	PPM	OK
28	NOV	18	11:34:43	9:49	17	PPM	OK
28	NOV	18	11:34:48	9:49	16.7	PPM	OK
28	NOV	18	11:34:53	9:49	18.3	PPM	OK
28	NOV	18	11:34:58	9:49	18.4	PPM	OK
28	NOV	18	11:35:03	9:50	18.7	PPM	OK
28	NOV	18	11:35:08	9:50	16.9	PPM	OK
28	NOV	18	11:35:13	9:50	15.7	PPM	OK
28	NOV	18	11:35:18	9:50	15.6	PPM	OK
28	NOV	18	11:35:23	9:50	15.1	PPM	OK
28	NOV	18	11:35:28	9:50	14.3	PPM	OK
28	NOV	18	11:35:33	9:50	14	PPM	OK
28	NOV	18	11:35:38	9:50	14.4	PPM	OK
28	NOV	18	11:35:43	9:50	10.8	PPM	OK
28	NOV	18	11:35:48	9:50	13.5	PPM	OK
28	NOV	18	11:35:53	9:50	14	PPM	OK
28	NOV	18	11:35:58	9:50	14.8	PPM	OK
28	NOV	18	11:36:03	9:51	14.4	PPM	OK
28	NOV	18	11:36:08	9:51	14.6	PPM	OK
28	NOV	18	11:36:13	9:51	13.5	PPM	OK
28	NOV	18	11:36:18	9:51	12.9	PPM	OK
28	NOV	18	11:36:23	9:51	12.4	PPM	OK
28	NOV	18	11:36:28	9:51	11.6	PPM	OK
28	NOV	18	11:36:33	9:51	9.3	PPM	OK
28	NOV	18	11:36:38	9:51	7.3	PPM	OK
28	NOV	18	11:36:43	9:51	6.7	PPM	OK
28	NOV	18	11:36:48	9:51	6.6	PPM	OK
28	NOV	18	11:36:53	9:51	6.6	PPM	OK
28	NOV	18	11:36:58	9:51	7.3	PPM	OK
28	NOV	18	11:37:03	9:52	8.9	PPM	OK
28	NOV	18	11:37:08	9:52	8.9	PPM	OK
28	NOV	18	11:37:13	9:52	9.5	PPM	OK
28	NOV	18	11:37:18	9:52	9.7	PPM	OK
28	NOV	18	11:37:23	9:52	10.8	PPM	OK
28	NOV	18	11:37:28	9:52	10.8	PPM	OK
28	NOV	18	11:37:33	9:52	17.1	PPM	OK
28	NOV	18	11:37:38	9:52	14.5	PPM	OK
28	NOV	18	11:37:43	9:52	11.3	PPM	OK
28	NOV	18	11:37:48	9:52	9.6	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
					Time	PPM	OK
28	NOV	18	11:37:53	9:52	13.8	PPM	OK
28	NOV	18	11:37:58	9:52	16.7	PPM	OK
28	NOV	18	11:38:03	9:53	17.2	PPM	OK
28	NOV	18	11:38:08	9:53	18.5	PPM	OK
28	NOV	18	11:38:13	9:53	17.8	PPM	OK
28	NOV	18	11:38:18	9:53	18.4	PPM	OK
28	NOV	18	11:38:23	9:53	15.9	PPM	OK
28	NOV	18	11:38:28	9:53	17.7	PPM	OK
28	NOV	18	11:38:33	9:53	20.1	PPM	OK
28	NOV	18	11:38:38	9:53	17.1	PPM	OK
28	NOV	18	11:38:43	9:53	16.4	PPM	OK
28	NOV	18	11:38:48	9:53	18.3	PPM	OK
28	NOV	18	11:38:53	9:53	22.1	PPM	OK
28	NOV	18	11:38:58	9:53	24.5	PPM	OK
28	NOV	18	11:39:03	9:54	23.9	PPM	OK
28	NOV	18	11:39:08	9:54	24	PPM	OK
28	NOV	18	11:39:13	9:54	24	PPM	OK
28	NOV	18	11:39:18	9:54	24.7	PPM	OK
28	NOV	18	11:39:23	9:54	22.2	PPM	OK
28	NOV	18	11:39:28	9:54	22.5	PPM	OK
28	NOV	18	11:39:33	9:54	27.4	PPM	OK
28	NOV	18	11:39:38	9:54	23.4	PPM	OK
28	NOV	18	11:39:43	9:54	18.9	PPM	OK
28	NOV	18	11:39:48	9:54	15.4	PPM	OK
28	NOV	18	11:39:53	9:54	17.7	PPM	OK
28	NOV	18	11:39:58	9:54	18.9	PPM	OK
28	NOV	18	11:40:03	9:55	18.3	PPM	OK
28	NOV	18	11:40:08	9:55	17.1	PPM	OK
28	NOV	18	11:40:13	9:55	17	PPM	OK
28	NOV	18	11:40:18	9:55	15.7	PPM	OK
28	NOV	18	11:40:23	9:55	15.1	PPM	OK
28	NOV	18	11:40:28	9:55	14.3	PPM	OK
28	NOV	18	11:40:33	9:55	16	PPM	OK
28	NOV	18	11:40:38	9:55	13.6	PPM	OK
28	NOV	18	11:40:43	9:55	12.7	PPM	OK
28	NOV	18	11:40:48	9:55	10.9	PPM	OK
28	NOV	18	11:40:53	9:55	13.4	PPM	OK
28	NOV	18	11:40:58	9:55	14.7	PPM	OK
28	NOV	18	11:41:03	9:56	14.8	PPM	OK
28	NOV	18	11:41:08	9:56	13.8	PPM	OK
28	NOV	18	11:41:13	9:56	13.5	PPM	OK
28	NOV	18	11:41:18	9:56	12.5	PPM	OK
28	NOV	18	11:41:23	9:56	12.8	PPM	OK
28	NOV	18	11:41:28	9:56	11.9	PPM	OK
28	NOV	18	11:41:33	9:56	12	PPM	OK
28	NOV	18	11:41:38	9:56	7.4	PPM	OK
28	NOV	18	11:41:43	9:56	7	PPM	OK
28	NOV	18	11:41:48	9:56	6.2	PPM	OK
28	NOV	18	11:41:53	9:56	6.8	PPM	OK
28	NOV	18	11:41:58	9:56	7.1	PPM	OK
28	NOV	18	11:42:03	9:57	7.7	PPM	OK
28	NOV	18	11:42:08	9:57	8.8	PPM	OK
28	NOV	18	11:42:13	9:57	8.7	PPM	OK
28	NOV	18	11:42:18	9:57	9.7	PPM	OK
28	NOV	18	11:42:23	9:57	10.8	PPM	OK
28	NOV	18	11:42:28	9:57	11.6	PPM	OK
28	NOV	18	11:42:33	9:57	13.6	PPM	OK
28	NOV	18	11:42:38	9:57	17.3	PPM	OK
28	NOV	18	11:42:43	9:57	12.3	PPM	OK
28	NOV	18	11:42:48	9:57	8.7	PPM	OK
28	NOV	18	11:42:53	9:57	13.6	PPM	OK
28	NOV	18	11:42:58	9:57	15.6	PPM	OK
28	NOV	18	11:43:03	9:58	15.5	PPM	OK
28	NOV	18	11:43:08	9:58	17	PPM	OK
28	NOV	18	11:43:13	9:58	17.3	PPM	OK
28	NOV	18	11:43:18	9:58	17.7	PPM	OK
28	NOV	18	11:43:23	9:58	17.7	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
					Time	PPM	OK
28	NOV	18	11:43:28	9:58	18	PPM	OK
28	NOV	18	11:43:33	9:58	19	PPM	OK
28	NOV	18	11:43:38	9:58	17.2	PPM	OK
28	NOV	18	11:43:43	9:58	17.4	PPM	OK
28	NOV	18	11:43:48	9:58	18.3	PPM	OK
28	NOV	18	11:43:53	9:58	23.5	PPM	OK
28	NOV	18	11:43:58	9:58	25.4	PPM	OK
28	NOV	18	11:44:03	9:59	25.6	PPM	OK
28	NOV	18	11:44:08	9:59	25.9	PPM	OK
28	NOV	18	11:44:13	9:59	25.5	PPM	OK
28	NOV	18	11:44:18	9:59	25.6	PPM	OK
28	NOV	18	11:44:23	9:59	24.6	PPM	OK
28	NOV	18	11:44:28	9:59	24.3	PPM	OK
28	NOV	18	11:44:33	9:59	23.3	PPM	OK
28	NOV	18	11:44:38	9:59	24.2	PPM	OK
28	NOV	18	11:44:43	9:59	20.3	PPM	OK
28	NOV	18	11:44:48	9:59	16.6	PPM	OK
28	NOV	18	11:44:53	9:59	20	PPM	OK
28	NOV	18	11:44:58	9:59	20.5	PPM	OK
28	NOV	18	11:45:03	10:00	20.6	PPM	OK
28	NOV	18	11:45:08	10:00	19.3	PPM	OK
28	NOV	18	11:45:13	10:00	17.9	PPM	OK
28	NOV	18	11:45:18	10:00	17	PPM	OK
28	NOV	18	11:45:23	10:00	17.1	PPM	OK
28	NOV	18	11:45:28	10:00	16.5	PPM	OK
28	NOV	18	11:45:33	10:00	16.5	PPM	OK
28	NOV	18	11:45:38	10:00	14.9	PPM	OK
28	NOV	18	11:45:43	10:00	15.1	PPM	OK
28	NOV	18	11:45:48	10:00	13.9	PPM	OK
28	NOV	18	11:45:53	10:00	15.5	PPM	OK
28	NOV	18	11:45:58	10:00	18.4	PPM	OK
28	NOV	18	11:46:03	10:01	17.3	PPM	OK
28	NOV	18	11:46:08	10:01	15.3	PPM	OK
28	NOV	18	11:46:13	10:01	12.8	PPM	OK
28	NOV	18	11:46:18	10:01	12.1	PPM	OK
28	NOV	18	11:46:23	10:01	10.9	PPM	OK
28	NOV	18	11:46:28	10:01	10.5	PPM	OK
28	NOV	18	11:46:33	10:01	10.8	PPM	OK
28	NOV	18	11:46:38	10:01	8.2	PPM	OK
28	NOV	18	11:46:43	10:01	6.8	PPM	OK
28	NOV	18	11:46:48	10:01	6.3	PPM	OK
28	NOV	18	11:46:53	10:01	6.2	PPM	OK
28	NOV	18	11:46:58	10:01	6.3	PPM	OK
28	NOV	18	11:47:03	10:02	6.6	PPM	OK
28	NOV	18	11:47:08	10:02	7.8	PPM	OK
28	NOV	18	11:47:13	10:02	8.3	PPM	OK
28	NOV	18	11:47:18	10:02	8.7	PPM	OK
28	NOV	18	11:47:23	10:02	9	PPM	OK
28	NOV	18	11:47:28	10:02	10.1	PPM	OK
28	NOV	18	11:47:33	10:02	10.8	PPM	OK
28	NOV	18	11:47:38	10:02	19.8	PPM	OK
28	NOV	18	11:47:43	10:02	14.4	PPM	OK
28	NOV	18	11:47:48	10:02	9.4	PPM	OK
28	NOV	18	11:47:53	10:02	8.5	PPM	OK
28	NOV	18	11:47:58	10:02	12.4	PPM	OK
28	NOV	18	11:48:03	10:03	14.3	PPM	OK
28	NOV	18	11:48:08	10:03	16.1	PPM	OK
28	NOV	18	11:48:13	10:03	16	PPM	OK
28	NOV	18	11:48:18	10:03	16.4	PPM	OK
28	NOV	18	11:48:23	10:03	16.4	PPM	OK
28	NOV	18	11:48:28	10:03	16.4	PPM	OK
28	NOV	18	11:48:33	10:03	16.1	PPM	OK
28	NOV	18	11:48:38	10:03	18.5	PPM	OK
28	NOV	18	11:48:43	10:03	16.6	PPM	OK
28	NOV	18	11:48:48	10:03	15.9	PPM	OK
28	NOV	18	11:48:53	10:03	18.1	PPM	OK
28	NOV	18	11:48:58	10:03	21.9	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
					Time	PPM	OK
28	NOV	18	11:49:03	10:04	22.6	PPM	OK
28	NOV	18	11:49:08	10:04	23.5	PPM	OK
28	NOV	18	11:49:13	10:04	23.9	PPM	OK
28	NOV	18	11:49:18	10:04	24.1	PPM	OK
28	NOV	18	11:49:23	10:04	23.2	PPM	OK
28	NOV	18	11:49:28	10:04	23.2	PPM	OK
28	NOV	18	11:49:33	10:04	22.7	PPM	OK
28	NOV	18	11:49:38	10:04	26.1	PPM	OK
28	NOV	18	11:49:43	10:04	25.1	PPM	OK
28	NOV	18	11:49:48	10:04	18.8	PPM	OK
28	NOV	18	11:49:53	10:04	17.4	PPM	OK
28	NOV	18	11:49:58	10:04	18	PPM	OK
28	NOV	18	11:50:03	10:05	19.7	PPM	OK
28	NOV	18	11:50:08	10:05	18.5	PPM	OK
28	NOV	18	11:50:13	10:05	17.6	PPM	OK
28	NOV	18	11:50:18	10:05	16.2	PPM	OK
28	NOV	18	11:50:23	10:05	16.3	PPM	OK
28	NOV	18	11:50:28	10:05	14.9	PPM	OK
28	NOV	18	11:50:33	10:05	15.4	PPM	OK
28	NOV	18	11:50:38	10:05	15.7	PPM	OK
28	NOV	18	11:50:43	10:05	14	PPM	OK
28	NOV	18	11:50:48	10:05	12.9	PPM	OK
28	NOV	18	11:50:53	10:05	12.7	PPM	OK
28	NOV	18	11:50:58	10:05	14.5	PPM	OK
					Run 1		
					15.5		
28	NOV	18	11:51:03	10:06	15.2	PPM	OK
28	NOV	18	11:51:08	10:06	15.7	PPM	OK
28	NOV	18	11:51:13	10:06	16.2	PPM	OK
28	NOV	18	11:51:18	10:06	16.7	PPM	OK
28	NOV	18	11:51:23	10:06	16.5	PPM	OK
28	NOV	18	11:51:28	10:06	17.7	PPM	OK
28	NOV	18	11:51:33	10:06	16.8	PPM	OK
28	NOV	18	11:51:38	10:06	15.6	PPM	OK
28	NOV	18	11:51:43	10:06	11.2	PPM	OK
28	NOV	18	11:51:48	10:06	11.1	PPM	OK
28	NOV	18	11:51:53	10:06	10.2	PPM	OK
28	NOV	18	11:51:58	10:06	11.1	PPM	OK
28	NOV	18	11:52:03	10:07	12.7	PPM	OK
28	NOV	18	11:52:08	10:07	13.1	PPM	OK
28	NOV	18	11:52:13	10:07	14.7	PPM	OK
28	NOV	18	11:52:18	10:07	15	PPM	OK
28	NOV	18	11:52:23	10:07	16.1	PPM	OK
28	NOV	18	11:52:28	10:07	15.9	PPM	OK
28	NOV	18	11:52:33	10:07	17.5	PPM	OK
28	NOV	18	11:52:38	10:07	20.7	PPM	OK
28	NOV	18	11:52:43	10:07	22.1	PPM	OK
28	NOV	18	11:52:48	10:07	16.3	PPM	OK
28	NOV	18	11:52:53	10:07	13.8	PPM	OK
28	NOV	18	11:52:58	10:07	20	PPM	OK
28	NOV	18	11:53:03	10:08	23.5	PPM	OK
28	NOV	18	11:53:08	10:08	24.5	PPM	OK
28	NOV	18	11:53:13	10:08	26	PPM	OK
28	NOV	18	11:53:18	10:08	25.7	PPM	OK
28	NOV	18	11:53:23	10:08	25.4	PPM	OK
28	NOV	18	11:53:28	10:08	26.4	PPM	OK
28	NOV	18	11:53:33	10:08	27.4	PPM	OK
28	NOV	18	11:53:38	10:08	28.7	PPM	OK
28	NOV	18	11:53:43	10:08	26	PPM	OK
28	NOV	18	11:53:48	10:08	25.8	PPM	OK
28	NOV	18	11:53:53	10:08	26.2	PPM	OK
28	NOV	18	11:53:58	10:08	32.6	PPM	OK
28	NOV	18	11:54:03	10:09	34.6	PPM	OK
28	NOV	18	11:54:08	10:09	35.4	PPM	OK
28	NOV	18	11:54:13	10:09	34.4	PPM	OK
28	NOV	18	11:54:18	10:09	34.2	PPM	OK
28	NOV	18	11:54:23	10:09	33.8	PPM	OK
28	NOV	18	11:54:28	10:09	34	PPM	OK
28	NOV	18	11:54:33	10:09	34.3	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	11:54:38	10:09	32.5	PPM	OK
28	NOV	18	11:54:43	10:09	33.8	PPM	OK
28	NOV	18	11:54:48	10:09	29.8	PPM	OK
28	NOV	18	11:54:53	10:09	24.8	PPM	OK
28	NOV	18	11:54:58	10:09	30.3	PPM	OK
28	NOV	18	11:55:03	10:10	30.1	PPM	OK
28	NOV	18	11:55:08	10:10	29.3	PPM	OK
28	NOV	18	11:55:13	10:10	26.9	PPM	OK
28	NOV	18	11:55:18	10:10	25.8	PPM	OK
28	NOV	18	11:55:23	10:10	24	PPM	OK
28	NOV	18	11:55:28	10:10	24	PPM	OK
28	NOV	18	11:55:33	10:10	23.8	PPM	OK
28	NOV	18	11:55:38	10:10	23.3	PPM	OK
28	NOV	18	11:55:43	10:10	22	PPM	OK
28	NOV	18	11:55:48	10:10	22.6	PPM	OK
28	NOV	18	11:55:53	10:10	20.5	PPM	OK
28	NOV	18	11:55:58	10:10	22.6	PPM	OK
28	NOV	18	11:56:03	10:11	25.3	PPM	OK
28	NOV	18	11:56:08	10:11	25	PPM	OK
28	NOV	18	11:56:13	10:11	25.2	PPM	OK
28	NOV	18	11:56:18	10:11	23.3	PPM	OK
28	NOV	18	11:56:23	10:11	22.4	PPM	OK
28	NOV	18	11:56:28	10:11	21.5	PPM	OK
28	NOV	18	11:56:33	10:11	20.4	PPM	OK
28	NOV	18	11:56:38	10:11	20.5	PPM	OK
28	NOV	18	11:56:43	10:11	14.8	PPM	OK
28	NOV	18	11:56:48	10:11	12.7	PPM	OK
28	NOV	18	11:56:53	10:11	12.6	PPM	OK
28	NOV	18	11:56:58	10:11	12.5	PPM	OK
28	NOV	18	11:57:03	10:12	12.7	PPM	OK
28	NOV	18	11:57:08	10:12	14.4	PPM	OK
28	NOV	18	11:57:13	10:12	15	PPM	OK
28	NOV	18	11:57:18	10:12	15.9	PPM	OK
28	NOV	18	11:57:23	10:12	15.7	PPM	OK
28	NOV	18	11:57:28	10:12	17.6	PPM	OK
28	NOV	18	11:57:33	10:12	17.4	PPM	OK
28	NOV	18	11:57:38	10:12	19	PPM	OK
28	NOV	18	11:57:43	10:12	30	PPM	OK
28	NOV	18	11:57:48	10:12	18.7	PPM	OK
28	NOV	18	11:57:53	10:12	14.1	PPM	OK
28	NOV	18	11:57:58	10:12	17.3	PPM	OK
28	NOV	18	11:58:03	10:13	21.7	PPM	OK
28	NOV	18	11:58:08	10:13	23	PPM	OK
28	NOV	18	11:58:13	10:13	25.4	PPM	OK
28	NOV	18	11:58:18	10:13	25.8	PPM	OK
28	NOV	18	11:58:23	10:13	25.9	PPM	OK
28	NOV	18	11:58:28	10:13	25.7	PPM	OK
28	NOV	18	11:58:33	10:13	26.2	PPM	OK
28	NOV	18	11:58:38	10:13	25.2	PPM	OK
28	NOV	18	11:58:43	10:13	25.3	PPM	OK
28	NOV	18	11:58:48	10:13	23.7	PPM	OK
28	NOV	18	11:58:53	10:13	23	PPM	OK
28	NOV	18	11:58:58	10:13	27.4	PPM	OK
28	NOV	18	11:59:03	10:14	31.6	PPM	OK
28	NOV	18	11:59:08	10:14	33.3	PPM	OK
28	NOV	18	11:59:13	10:14	33.9	PPM	OK
28	NOV	18	11:59:18	10:14	32.3	PPM	OK
28	NOV	18	11:59:23	10:14	31.8	PPM	OK
28	NOV	18	11:59:28	10:14	31	PPM	OK
28	NOV	18	11:59:33	10:14	33.1	PPM	OK
28	NOV	18	11:59:38	10:14	33	PPM	OK
28	NOV	18	11:59:43	10:14	40.9	PPM	OK
28	NOV	18	11:59:48	10:14	30.6	PPM	OK
28	NOV	18	11:59:53	10:14	26.5	PPM	OK
28	NOV	18	11:59:58	10:14	24.8	PPM	OK
28	NOV	18	12:00:03	10:15	26.7	PPM	OK
28	NOV	18	12:00:08	10:15	27	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	12:00:13	10:15	26.1	PPM	OK
28	NOV	18	12:00:18	10:15	24.4	PPM	OK
28	NOV	18	12:00:23	10:15	23.3	PPM	OK
28	NOV	18	12:00:28	10:15	22.7	PPM	OK
28	NOV	18	12:00:33	10:15	21.5	PPM	OK
28	NOV	18	12:00:38	10:15	20.9	PPM	OK
28	NOV	18	12:00:43	10:15	22.5	PPM	OK
28	NOV	18	12:00:48	10:15	20.1	PPM	OK
28	NOV	18	12:00:53	10:15	19.3	PPM	OK
28	NOV	18	12:00:58	10:15	19.3	PPM	OK
28	NOV	18	12:01:03	10:16	21.5	PPM	OK
28	NOV	18	12:01:08	10:16	22.3	PPM	OK
28	NOV	18	12:01:13	10:16	22.4	PPM	OK
28	NOV	18	12:01:18	10:16	21.3	PPM	OK
28	NOV	18	12:01:23	10:16	21.2	PPM	OK
28	NOV	18	12:01:28	10:16	19.9	PPM	OK
28	NOV	18	12:01:33	10:16	18.8	PPM	OK
28	NOV	18	12:01:38	10:16	19.2	PPM	OK
28	NOV	18	12:01:43	10:16	17.3	PPM	OK
28	NOV	18	12:01:48	10:16	12.7	PPM	OK
28	NOV	18	12:01:53	10:16	12.2	PPM	OK
28	NOV	18	12:01:58	10:16	12	PPM	OK
28	NOV	18	12:02:03	10:17	12.2	PPM	OK
28	NOV	18	12:02:08	10:17	13.1	PPM	OK
28	NOV	18	12:02:13	10:17	14.8	PPM	OK
28	NOV	18	12:02:18	10:17	14.7	PPM	OK
28	NOV	18	12:02:23	10:17	15.9	PPM	OK
28	NOV	18	12:02:28	10:17	16.9	PPM	OK
28	NOV	18	12:02:33	10:17	16.8	PPM	OK
28	NOV	18	12:02:38	10:17	16.8	PPM	OK
28	NOV	18	12:02:43	10:17	19.7	PPM	OK
28	NOV	18	12:02:48	10:17	24.7	PPM	OK
28	NOV	18	12:02:53	10:17	17.9	PPM	OK
28	NOV	18	12:02:58	10:17	13.9	PPM	OK
28	NOV	18	12:03:03	10:18	20	PPM	OK
28	NOV	18	12:03:08	10:18	23.1	PPM	OK
28	NOV	18	12:03:13	10:18	24.2	PPM	OK
28	NOV	18	12:03:18	10:18	25.2	PPM	OK
28	NOV	18	12:03:23	10:18	26.3	PPM	OK
28	NOV	18	12:03:28	10:18	25.1	PPM	OK
28	NOV	18	12:03:33	10:18	26.3	PPM	OK
28	NOV	18	12:03:38	10:18	25.4	PPM	OK
28	NOV	18	12:03:43	10:18	26.8	PPM	OK
28	NOV	18	12:03:48	10:18	24.5	PPM	OK
28	NOV	18	12:03:53	10:18	22.5	PPM	OK
28	NOV	18	12:03:58	10:18	23.8	PPM	OK
28	NOV	18	12:04:03	10:19	29.4	PPM	OK
28	NOV	18	12:04:08	10:19	33.9	PPM	OK
28	NOV	18	12:04:13	10:19	33.7	PPM	OK
28	NOV	18	12:04:18	10:19	32.4	PPM	OK
28	NOV	18	12:04:23	10:19	32.1	PPM	OK
28	NOV	18	12:04:28	10:19	32.5	PPM	OK
28	NOV	18	12:04:33	10:19	32.5	PPM	OK
28	NOV	18	12:04:38	10:19	32.8	PPM	OK
28	NOV	18	12:04:43	10:19	31.4	PPM	OK
28	NOV	18	12:04:48	10:19	36.4	PPM	OK
28	NOV	18	12:04:53	10:19	29.3	PPM	OK
28	NOV	18	12:04:58	10:19	23.6	PPM	OK
28	NOV	18	12:05:03	10:20	26.4	PPM	OK
28	NOV	18	12:05:08	10:20	27.4	PPM	OK
28	NOV	18	12:05:13	10:20	26.8	PPM	OK
28	NOV	18	12:05:18	10:20	25.6	PPM	OK
28	NOV	18	12:05:23	10:20	23.8	PPM	OK
28	NOV	18	12:05:28	10:20	22.3	PPM	OK
28	NOV	18	12:05:33	10:20	23	PPM	OK
28	NOV	18	12:05:38	10:20	22.8	PPM	OK
28	NOV	18	12:05:43	10:20	22.6	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
					Time	PPM	OK
28	NOV	18	12:05:48	10:20	20.5	PPM	OK
28	NOV	18	12:05:53	10:20	20.3	PPM	OK
28	NOV	18	12:05:58	10:20	18.8	PPM	OK
28	NOV	18	12:06:03	10:21	21.7	PPM	OK
28	NOV	18	12:06:08	10:21	22.2	PPM	OK
28	NOV	18	12:06:13	10:21	22.8	PPM	OK
28	NOV	18	12:06:18	10:21	21.4	PPM	OK
28	NOV	18	12:06:23	10:21	21.3	PPM	OK
28	NOV	18	12:06:28	10:21	20.2	PPM	OK
28	NOV	18	12:06:33	10:21	19.9	PPM	OK
28	NOV	18	12:06:38	10:21	19	PPM	OK
28	NOV	18	12:06:43	10:21	19.6	PPM	OK
28	NOV	18	12:06:48	10:21	13.7	PPM	OK
28	NOV	18	12:06:53	10:21	12.5	PPM	OK
28	NOV	18	12:06:58	10:21	12.3	PPM	OK
28	NOV	18	12:07:03	10:22	12	PPM	OK
28	NOV	18	12:07:08	10:22	13	PPM	OK
28	NOV	18	12:07:13	10:22	14.4	PPM	OK
28	NOV	18	12:07:18	10:22	15	PPM	OK
28	NOV	18	12:07:23	10:22	14.9	PPM	OK
28	NOV	18	12:07:28	10:22	16.1	PPM	OK
28	NOV	18	12:07:33	10:22	17.9	PPM	OK
28	NOV	18	12:07:38	10:22	18.6	PPM	OK
28	NOV	18	12:07:43	10:22	17.9	PPM	OK
28	NOV	18	12:07:48	10:22	30.5	PPM	OK
28	NOV	18	12:07:53	10:22	19.8	PPM	OK
28	NOV	18	12:07:58	10:22	14.6	PPM	OK
28	NOV	18	12:08:03	10:23	15.9	PPM	OK
28	NOV	18	12:08:08	10:23	21.5	PPM	OK
28	NOV	18	12:08:13	10:23	22.8	PPM	OK
28	NOV	18	12:08:18	10:23	25.4	PPM	OK
28	NOV	18	12:08:23	10:23	26	PPM	OK
28	NOV	18	12:08:28	10:23	26	PPM	OK
28	NOV	18	12:08:33	10:23	26.3	PPM	OK
28	NOV	18	12:08:38	10:23	25.4	PPM	OK
28	NOV	18	12:08:43	10:23	25.9	PPM	OK
28	NOV	18	12:08:48	10:23	25.7	PPM	OK
28	NOV	18	12:08:53	10:23	25	PPM	OK
28	NOV	18	12:08:58	10:23	23.4	PPM	OK
28	NOV	18	12:09:03	10:24	29.1	PPM	OK
28	NOV	18	12:09:08	10:24	33.3	PPM	OK
28	NOV	18	12:09:13	10:24	35	PPM	OK
28	NOV	18	12:09:18	10:24	33	PPM	OK
28	NOV	18	12:09:23	10:24	34.2	PPM	OK
28	NOV	18	12:09:28	10:24	33.1	PPM	OK
28	NOV	18	12:09:33	10:24	32.1	PPM	OK
28	NOV	18	12:09:38	10:24	33	PPM	OK
28	NOV	18	12:09:43	10:24	32	PPM	OK
28	NOV	18	12:09:48	10:24	43.1	PPM	OK
28	NOV	18	12:09:53	10:24	30.7	PPM	OK
28	NOV	18	12:09:58	10:24	27.1	PPM	OK
28	NOV	18	12:10:03	10:25	25.7	PPM	OK
28	NOV	18	12:10:08	10:25	27.6	PPM	OK
28	NOV	18	12:10:13	10:25	27.9	PPM	OK
28	NOV	18	12:10:18	10:25	26.8	PPM	OK
28	NOV	18	12:10:23	10:25	25.2	PPM	OK
28	NOV	18	12:10:28	10:25	24.5	PPM	OK
28	NOV	18	12:10:33	10:25	22.7	PPM	OK
28	NOV	18	12:10:38	10:25	22.6	PPM	OK
28	NOV	18	12:10:43	10:25	22.7	PPM	OK
28	NOV	18	12:10:48	10:25	23.4	PPM	OK
28	NOV	18	12:10:53	10:25	20.5	PPM	OK
28	NOV	18	12:10:58	10:25	20.4	PPM	OK
28	NOV	18	12:11:03	10:26	19.3	PPM	OK
28	NOV	18	12:11:08	10:26	21.8	PPM	OK
28	NOV	18	12:11:13	10:26	23.4	PPM	OK
28	NOV	18	12:11:18	10:26	23.2	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	12:11:23	10:26	22	PPM	OK
28	NOV	18	12:11:28	10:26	21.3	PPM	OK
28	NOV	18	12:11:33	10:26	20.1	PPM	OK
28	NOV	18	12:11:38	10:26	20	PPM	OK
28	NOV	18	12:11:43	10:26	18	PPM	OK
28	NOV	18	12:11:48	10:26	17.9	PPM	OK
28	NOV	18	12:11:53	10:26	13.6	PPM	OK
28	NOV	18	12:11:58	10:26	13	PPM	OK
28	NOV	18	12:12:03	10:27	11.7	PPM	OK
28	NOV	18	12:12:08	10:27	12.9	PPM	OK
28	NOV	18	12:12:13	10:27	13.3	PPM	OK
28	NOV	18	12:12:18	10:27	14.7	PPM	OK
28	NOV	18	12:12:23	10:27	14.6	PPM	OK
28	NOV	18	12:12:28	10:27	16.1	PPM	OK
28	NOV	18	12:12:33	10:27	16.8	PPM	OK
28	NOV	18	12:12:38	10:27	18	PPM	OK
28	NOV	18	12:12:43	10:27	17.2	PPM	OK
28	NOV	18	12:12:48	10:27	20.6	PPM	OK
28	NOV	18	12:12:53	10:27	25.2	PPM	OK
28	NOV	18	12:12:58	10:27	17.7	PPM	OK
28	NOV	18	12:13:03	10:28	14.5	PPM	OK
28	NOV	18	12:13:08	10:28	20.3	PPM	OK
28	NOV	18	12:13:13	10:28	23.2	PPM	OK
28	NOV	18	12:13:18	10:28	27	PPM	OK
28	NOV	18	12:13:23	10:28	26.2	PPM	OK
28	NOV	18	12:13:28	10:28	27	PPM	OK
28	NOV	18	12:13:33	10:28	26.7	PPM	OK
28	NOV	18	12:13:38	10:28	27.3	PPM	OK
28	NOV	18	12:13:43	10:28	26.1	PPM	OK
28	NOV	18	12:13:48	10:28	28.7	PPM	OK
28	NOV	18	12:13:53	10:28	25.1	PPM	OK
28	NOV	18	12:13:58	10:28	24.1	PPM	OK
28	NOV	18	12:14:03	10:29	24.1	PPM	OK
28	NOV	18	12:14:08	10:29	30.7	PPM	OK
28	NOV	18	12:14:13	10:29	33.1	PPM	OK
28	NOV	18	12:14:18	10:29	33	PPM	OK
28	NOV	18	12:14:23	10:29	33.7	PPM	OK
28	NOV	18	12:14:28	10:29	34.4	PPM	OK
28	NOV	18	12:14:33	10:29	33.4	PPM	OK
28	NOV	18	12:14:38	10:29	33.4	PPM	OK
28	NOV	18	12:14:43	10:29	31.8	PPM	OK
28	NOV	18	12:14:48	10:29	31.3	PPM	OK
28	NOV	18	12:14:53	10:29	38.6	PPM	OK
28	NOV	18	12:14:58	10:29	28.7	PPM	OK
28	NOV	18	12:15:03	10:30	23.6	PPM	OK
28	NOV	18	12:15:08	10:30	26.7	PPM	OK
28	NOV	18	12:15:13	10:30	28.7	PPM	OK
28	NOV	18	12:15:18	10:30	27.4	PPM	OK
28	NOV	18	12:15:23	10:30	25.9	PPM	OK
28	NOV	18	12:15:28	10:30	24.5	PPM	OK
28	NOV	18	12:15:33	10:30	24.7	PPM	OK
28	NOV	18	12:15:38	10:30	23.3	PPM	OK
28	NOV	18	12:15:43	10:30	22.8	PPM	OK
28	NOV	18	12:15:48	10:30	22.4	PPM	OK
28	NOV	18	12:15:53	10:30	21.1	PPM	OK
28	NOV	18	12:15:58	10:30	20.7	PPM	OK
28	NOV	18	12:16:03	10:31	19.2	PPM	OK
28	NOV	18	12:16:08	10:31	21.4	PPM	OK
28	NOV	18	12:16:13	10:31	23.1	PPM	OK
28	NOV	18	12:16:18	10:31	22.7	PPM	OK
28	NOV	18	12:16:23	10:31	22.5	PPM	OK
28	NOV	18	12:16:28	10:31	21.3	PPM	OK
28	NOV	18	12:16:33	10:31	20.1	PPM	OK
28	NOV	18	12:16:38	10:31	19.8	PPM	OK
28	NOV	18	12:16:43	10:31	19.2	PPM	OK
28	NOV	18	12:16:48	10:31	18.3	PPM	OK
28	NOV	18	12:16:53	10:31	14	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	12:16:58	10:31	12.6	PPM	OK
28	NOV	18	12:17:03	10:32	12	PPM	OK
28	NOV	18	12:17:08	10:32	11.6	PPM	OK
28	NOV	18	12:17:13	10:32	12.8	PPM	OK
28	NOV	18	12:17:18	10:32	13.6	PPM	OK
28	NOV	18	12:17:23	10:32	14.7	PPM	OK
28	NOV	18	12:17:28	10:32	15.2	PPM	OK
28	NOV	18	12:17:33	10:32	16.3	PPM	OK
28	NOV	18	12:17:38	10:32	16.7	PPM	OK
28	NOV	18	12:17:43	10:32	16.9	PPM	OK
28	NOV	18	12:17:48	10:32	17.3	PPM	OK
28	NOV	18	12:17:53	10:32	30.4	PPM	OK
28	NOV	18	12:17:58	10:32	20.6	PPM	OK
28	NOV	18	12:18:03	10:33	14.9	PPM	OK
28	NOV	18	12:18:08	10:33	17.4	PPM	OK
28	NOV	18	12:18:13	10:33	21	PPM	OK
28	NOV	18	12:18:18	10:33	24	PPM	OK
28	NOV	18	12:18:23	10:33	25.1	PPM	OK
28	NOV	18	12:18:28	10:33	25.6	PPM	OK
28	NOV	18	12:18:33	10:33	25.9	PPM	OK
28	NOV	18	12:18:38	10:33	26.1	PPM	OK
28	NOV	18	12:18:43	10:33	25.9	PPM	OK
28	NOV	18	12:18:48	10:33	26.2	PPM	OK
28	NOV	18	12:18:53	10:33	26.9	PPM	OK
28	NOV	18	12:18:58	10:33	25.7	PPM	OK
28	NOV	18	12:19:03	10:34	23	PPM	OK
28	NOV	18	12:19:08	10:34	27.9	PPM	OK
28	NOV	18	12:19:13	10:34	32.3	PPM	OK
28	NOV	18	12:19:18	10:34	32.4	PPM	OK
28	NOV	18	12:19:23	10:34	34.6	PPM	OK
28	NOV	18	12:19:28	10:34	34.1	PPM	OK
28	NOV	18	12:19:33	10:34	32.6	PPM	OK
28	NOV	18	12:19:38	10:34	32.9	PPM	OK
28	NOV	18	12:19:43	10:34	29.2	PPM	OK
28	NOV	18	12:19:48	10:34	31.5	PPM	OK
28	NOV	18	12:19:53	10:34	37.7	PPM	OK
28	NOV	18	12:19:58	10:34	29.9	PPM	OK
28	NOV	18	12:20:03	10:35	28.8	PPM	OK
28	NOV	18	12:20:08	10:35	24.7	PPM	OK
28	NOV	18	12:20:13	10:35	27.7	PPM	OK
28	NOV	18	12:20:18	10:35	28.1	PPM	OK
28	NOV	18	12:20:23	10:35	26.8	PPM	OK
28	NOV	18	12:20:28	10:35	25.4	PPM	OK
28	NOV	18	12:20:33	10:35	23	PPM	OK
28	NOV	18	12:20:38	10:35	23	PPM	OK
28	NOV	18	12:20:43	10:35	22.5	PPM	OK
28	NOV	18	12:20:48	10:35	21.8	PPM	OK
28	NOV	18	12:20:53	10:35	22.6	PPM	OK
28	NOV	18	12:20:58	10:35	20.8	PPM	OK
28	NOV	18	12:21:03	10:36	19.8	PPM	OK
28	NOV	18	12:21:08	10:36	19.6	PPM	OK
28	NOV	18	12:21:13	10:36	21.8	PPM	OK
28	NOV	18	12:21:18	10:36	23.3	PPM	OK
28	NOV	18	12:21:23	10:36	21.6	PPM	OK
28	NOV	18	12:21:28	10:36	22.7	PPM	OK
28	NOV	18	12:21:33	10:36	20.8	PPM	OK
28	NOV	18	12:21:38	10:36	19.5	PPM	OK
28	NOV	18	12:21:43	10:36	18.9	PPM	OK
28	NOV	18	12:21:48	10:36	19	PPM	OK
28	NOV	18	12:21:53	10:36	16.3	PPM	OK
28	NOV	18	12:21:58	10:36	12.2	PPM	OK
28	NOV	18	12:22:03	10:37	11.6	PPM	OK
28	NOV	18	12:22:08	10:37	10.8	PPM	OK
28	NOV	18	12:22:13	10:37	11.9	PPM	OK
28	NOV	18	12:22:18	10:37	13	PPM	OK
28	NOV	18	12:22:23	10:37	14.1	PPM	OK
28	NOV	18	12:22:28	10:37	14.7	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	12:22:33	10:37	15.3	PPM	OK
28	NOV	18	12:22:38	10:37	16.8	PPM	OK
28	NOV	18	12:22:43	10:37	16.8	PPM	OK
28	NOV	18	12:22:48	10:37	18.3	PPM	OK
28	NOV	18	12:22:53	10:37	20.1	PPM	OK
28	NOV	18	12:22:58	10:37	24.4	PPM	OK
28	NOV	18	12:23:03	10:38	17.2	PPM	OK
28	NOV	18	12:23:08	10:38	13.3	PPM	OK
28	NOV	18	12:23:13	10:38	19.7	PPM	OK
28	NOV	18	12:23:18	10:38	21.5	PPM	OK
28	NOV	18	12:23:23	10:38	23.2	PPM	OK
28	NOV	18	12:23:28	10:38	25.3	PPM	OK
28	NOV	18	12:23:33	10:38	25.2	PPM	OK
28	NOV	18	12:23:38	10:38	25.1	PPM	OK
28	NOV	18	12:23:43	10:38	24.5	PPM	OK
28	NOV	18	12:23:48	10:38	25.3	PPM	OK
28	NOV	18	12:23:53	10:38	22.2	PPM	OK
28	NOV	18	12:23:58	10:38	16.4	PPM	OK
28	NOV	18	12:24:03	10:39	15.9	PPM	OK
28	NOV	18	12:24:08	10:39	16.2	PPM	OK
28	NOV	18	12:24:13	10:39	21.2	PPM	OK
28	NOV	18	12:24:18	10:39	23.9	PPM	OK
28	NOV	18	12:24:23	10:39	24.2	PPM	OK
28	NOV	18	12:24:28	10:39	24.6	PPM	OK
28	NOV	18	12:24:33	10:39	24.8	PPM	OK
28	NOV	18	12:24:38	10:39	25.4	PPM	OK
28	NOV	18	12:24:43	10:39	24.8	PPM	OK
28	NOV	18	12:24:48	10:39	25.4	PPM	OK
28	NOV	18	12:24:53	10:39	26.2	PPM	OK
28	NOV	18	12:24:58	10:39	32.4	PPM	OK
28	NOV	18	12:25:03	10:40	25.8	PPM	OK
28	NOV	18	12:25:08	10:40	21.2	PPM	OK
28	NOV	18	12:25:13	10:40	22.7	PPM	OK
28	NOV	18	12:25:18	10:40	24.5	PPM	OK
28	NOV	18	12:25:23	10:40	25	PPM	OK
28	NOV	18	12:25:28	10:40	22.8	PPM	OK
28	NOV	18	12:25:33	10:40	21.8	PPM	OK
28	NOV	18	12:25:38	10:40	21.7	PPM	OK
28	NOV	18	12:25:43	10:40	21.4	PPM	OK
28	NOV	18	12:25:48	10:40	21.2	PPM	LOW_FLOW
28	NOV	18	12:25:53	10:40	20.3	PPM	LOW_FLOW
28	NOV	18	12:25:58	10:40	20	PPM	LOW_FLOW
28	NOV	18	12:26:03	10:41	19	PPM	LOW_FLOW
28	NOV	18	12:26:08	10:41	17.9	PPM	LOW_FLOW
28	NOV	18	12:26:13	10:41	19.7	PPM	LOW_FLOW
28	NOV	18	12:26:18	10:41	21.4	PPM	LOW_FLOW
28	NOV	18	12:26:23	10:41	22.4	PPM	LOW_FLOW
28	NOV	18	12:26:28	10:41	21.5	PPM	LOW_FLOW
28	NOV	18	12:26:33	10:41	20.7	PPM	LOW_FLOW
28	NOV	18	12:26:38	10:41	20	PPM	LOW_FLOW
28	NOV	18	12:26:43	10:41	19.5	PPM	LOW_FLOW
28	NOV	18	12:26:48	10:41	18.3	PPM	LOW_FLOW
28	NOV	18	12:26:53	10:41	18	PPM	LOW_FLOW
28	NOV	18	12:26:58	10:41	13.9	PPM	LOW_FLOW
28	NOV	18	12:27:03	10:42	12.1	PPM	LOW_FLOW
28	NOV	18	12:27:08	10:42	11.7	PPM	LOW_FLOW
28	NOV	18	12:27:13	10:42	12	PPM	LOW_FLOW
28	NOV	18	12:27:18	10:42	12.8	PPM	LOW_FLOW
28	NOV	18	12:27:23	10:42	14.2	PPM	LOW_FLOW
28	NOV	18	12:27:28	10:42	14.8	PPM	LOW_FLOW
28	NOV	18	12:27:33	10:42	16.1	PPM	LOW_FLOW
28	NOV	18	12:27:38	10:42	17.4	PPM	LOW_FLOW
28	NOV	18	12:27:43	10:42	17.7	PPM	LOW_FLOW
28	NOV	18	12:27:48	10:42	17.8	PPM	LOW_FLOW
28	NOV	18	12:27:53	10:42	19	PPM	LOW_FLOW
28	NOV	18	12:27:58	10:42	32.5	PPM	LOW_FLOW
28	NOV	18	12:28:03	10:43	20.5	PPM	LOW_FLOW

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
					Time	PPM	LOW_FLOW
28	NOV	18	12:28:08	10:43	15	PPM	LOW_FLOW
28	NOV	18	12:28:13	10:43	17.6	PPM	LOW_FLOW
28	NOV	18	12:28:18	10:43	23.2	PPM	LOW_FLOW
28	NOV	18	12:28:23	10:43	24.1	PPM	LOW_FLOW
28	NOV	18	12:28:28	10:43	25.4	PPM	LOW_FLOW
28	NOV	18	12:28:33	10:43	26.4	PPM	LOW_FLOW
28	NOV	18	12:28:38	10:43	26.6	PPM	LOW_FLOW
28	NOV	18	12:28:43	10:43	27.1	PPM	LOW_FLOW
28	NOV	18	12:28:48	10:43	27.2	PPM	LOW_FLOW
28	NOV	18	12:28:53	10:43	27.2	PPM	LOW_FLOW
28	NOV	18	12:28:58	10:43	28.3	PPM	LOW_FLOW
28	NOV	18	12:29:03	10:44	26	PPM	LOW_FLOW
28	NOV	18	12:29:08	10:44	24.8	PPM	LOW_FLOW
28	NOV	18	12:29:13	10:44	30.4	PPM	LOW_FLOW
28	NOV	18	12:29:18	10:44	35	PPM	LOW_FLOW
28	NOV	18	12:29:23	10:44	36.4	PPM	LOW_FLOW
28	NOV	18	12:29:28	10:44	37.3	PPM	LOW_FLOW
28	NOV	18	12:29:33	10:44	37	PPM	LOW_FLOW
28	NOV	18	12:29:38	10:44	36.3	PPM	LOW_FLOW
28	NOV	18	12:29:43	10:44	36.5	PPM	LOW_FLOW
28	NOV	18	12:29:48	10:44	36.3	PPM	LOW_FLOW
28	NOV	18	12:29:53	10:44	35.3	PPM	LOW_FLOW
28	NOV	18	12:29:58	10:44	45.2	PPM	LOW_FLOW
28	NOV	18	12:30:03	10:45	33.3	PPM	LOW_FLOW
28	NOV	18	12:30:08	10:45	29.1	PPM	LOW_FLOW
28	NOV	18	12:30:13	10:45	26.4	PPM	LOW_FLOW
28	NOV	18	12:30:18	10:45	29	PPM	LOW_FLOW
28	NOV	18	12:30:23	10:45	29.5	PPM	LOW_FLOW
28	NOV	18	12:30:28	10:45	28.4	PPM	LOW_FLOW
28	NOV	18	12:30:33	10:45	26.9	PPM	LOW_FLOW
28	NOV	18	12:30:38	10:45	25.2	PPM	LOW_FLOW
28	NOV	18	12:30:43	10:45	24.2	PPM	LOW_FLOW
28	NOV	18	12:30:48	10:45	23.7	PPM	LOW_FLOW
28	NOV	18	12:30:53	10:45	23.4	PPM	LOW_FLOW
28	NOV	18	12:30:58	10:45	24.2	PPM	LOW_FLOW
28	NOV	18	12:31:03	10:46	22.2	PPM	LOW_FLOW
28	NOV	18	12:31:08	10:46	21.5	PPM	LOW_FLOW
28	NOV	18	12:31:13	10:46	21.7	PPM	LOW_FLOW
28	NOV	18	12:31:18	10:46	24.4	PPM	LOW_FLOW
28	NOV	18	12:31:23	10:46	24.4	PPM	LOW_FLOW
28	NOV	18	12:31:28	10:46	24.1	PPM	LOW_FLOW
28	NOV	18	12:31:33	10:46	23	PPM	LOW_FLOW
28	NOV	18	12:31:38	10:46	22.9	PPM	LOW_FLOW
28	NOV	18	12:31:43	10:46	21.4	PPM	LOW_FLOW
28	NOV	18	12:31:48	10:46	21.4	PPM	LOW_FLOW
28	NOV	18	12:31:53	10:46	20.1	PPM	LOW_FLOW
28	NOV	18	12:31:58	10:46	18.9	PPM	LOW_FLOW
28	NOV	18	12:32:03	10:47	13.7	PPM	LOW_FLOW
28	NOV	18	12:32:08	10:47	12.8	PPM	LOW_FLOW
28	NOV	18	12:32:13	10:47	12.3	PPM	LOW_FLOW
28	NOV	18	12:32:18	10:47	13.2	PPM	LOW_FLOW
28	NOV	18	12:32:23	10:47	14.6	PPM	LOW_FLOW
28	NOV	18	12:32:28	10:47	15.4	PPM	LOW_FLOW
28	NOV	18	12:32:33	10:47	16.1	PPM	LOW_FLOW
28	NOV	18	12:32:38	10:47	17.1	PPM	LOW_FLOW
28	NOV	18	12:32:43	10:47	17.5	PPM	LOW_FLOW
28	NOV	18	12:32:48	10:47	17.7	PPM	LOW_FLOW
28	NOV	18	12:32:53	10:47	20.5	PPM	LOW_FLOW
28	NOV	18	12:32:58	10:47	24.3	PPM	LOW_FLOW
28	NOV	18	12:33:03	10:48	26.9	PPM	LOW_FLOW
28	NOV	18	12:33:08	10:48	19.8	PPM	LOW_FLOW
28	NOV	18	12:33:13	10:48	16.1	PPM	LOW_FLOW
28	NOV	18	12:33:18	10:48	23	PPM	LOW_FLOW
28	NOV	18	12:33:23	10:48	26.8	PPM	LOW_FLOW
28	NOV	18	12:33:28	10:48	27.3	PPM	OK
28	NOV	18	12:33:33	10:48	28.9	PPM	OK
28	NOV	18	12:33:38	10:48	28.2	PPM	OK

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	12:33:43	10:48	28.5	PPM	OK
28	NOV	18	12:33:48	10:48	27	PPM	OK
28	NOV	18	12:33:53	10:48	27.8	PPM	OK
28	NOV	18	12:33:58	10:48	29.2	PPM	OK
28	NOV	18	12:34:03	10:49	26.3	PPM	OK
28	NOV	18	12:34:08	10:49	26.6	PPM	OK
28	NOV	18	12:34:13	10:49	24.6	PPM	OK
28	NOV	18	12:34:18	10:49	31.5	PPM	OK
28	NOV	18	12:34:23	10:49	33.2	PPM	OK
28	NOV	18	12:34:28	10:49	32.3	PPM	OK
28	NOV	18	12:34:33	10:49	34	PPM	OK
28	NOV	18	12:34:38	10:49	32.7	PPM	OK
28	NOV	18	12:34:43	10:49	31.4	PPM	OK
28	NOV	18	12:34:48	10:49	31.8	PPM	OK
28	NOV	18	12:34:53	10:49	31.9	PPM	OK
28	NOV	18	12:34:58	10:49	31.1	PPM	OK
28	NOV	18	12:35:03	10:50	34	PPM	OK
28	NOV	18	12:35:08	10:50	28.9	PPM	OK
28	NOV	18	12:35:13	10:50	23.7	PPM	OK
28	NOV	18	12:35:18	10:50	24.5	PPM	OK
28	NOV	18	12:35:23	10:50	26	PPM	OK
28	NOV	18	12:35:28	10:50	25.8	PPM	OK
28	NOV	18	12:35:33	10:50	24.6	PPM	OK
28	NOV	18	12:35:38	10:50	23.8	PPM	OK
28	NOV	18	12:35:43	10:50	22.5	PPM	OK
28	NOV	18	12:35:48	10:50	22	PPM	OK
28	NOV	18	12:35:53	10:50	22.6	PPM	OK
28	NOV	18	12:35:58	10:50	21.9	PPM	OK
28	NOV	18	12:36:03	10:51	20	PPM	OK
28	NOV	18	12:36:08	10:51	20.6	PPM	OK
28	NOV	18	12:36:13	10:51	19.2	PPM	OK
28	NOV	18	12:36:18	10:51	20.9	PPM	OK
28	NOV	18	12:36:23	10:51	23.2	PPM	OK
28	NOV	18	12:36:28	10:51	22.9	PPM	OK
28	NOV	18	12:36:33	10:51	22.2	PPM	OK
28	NOV	18	12:36:38	10:51	20.8	PPM	OK
28	NOV	18	12:36:43	10:51	20.1	PPM	OK
28	NOV	18	12:36:48	10:51	18.5	PPM	OK
28	NOV	18	12:36:53	10:51	18.5	PPM	OK
28	NOV	18	12:36:58	10:51	18.1	PPM	OK
28	NOV	18	12:37:03	10:52	13.5	PPM	OK
28	NOV	18	12:37:08	10:52	11.9	PPM	OK
28	NOV	18	12:37:13	10:52	11.2	PPM	OK
28	NOV	18	12:37:18	10:52	11.8	PPM	OK
28	NOV	18	12:37:23	10:52	10.2	PPM	OK
28	NOV	18	12:37:28	10:52	12	PPM	OK
28	NOV	18	12:37:33	10:52	12.3	PPM	OK
28	NOV	18	12:37:38	10:52	13	PPM	OK
28	NOV	18	12:37:43	10:52	13.4	PPM	OK
28	NOV	18	12:37:48	10:52	14.6	PPM	OK
28	NOV	18	12:37:53	10:52	14.9	PPM	OK
28	NOV	18	12:37:58	10:52	15.4	PPM	OK
28	NOV	18	12:38:03	10:53	25	PPM	OK
28	NOV	18	12:38:08	10:53	16.4	PPM	OK
28	NOV	18	12:38:13	10:53	12.8	PPM	OK
28	NOV	18	12:38:18	10:53	13	PPM	OK
28	NOV	18	12:38:23	10:53	17.4	PPM	OK
28	NOV	18	12:38:28	10:53	19.5	PPM	OK
28	NOV	18	12:38:33	10:53	21.3	PPM	LOW_FLOW
28	NOV	18	12:38:38	10:53	20.7	PPM	LOW_FLOW
28	NOV	18	12:38:43	10:53	21	PPM	LOW_FLOW
28	NOV	18	12:38:48	10:53	21.5	PPM	LOW_FLOW
28	NOV	18	12:38:53	10:53	21.5	PPM	LOW_FLOW
28	NOV	18	12:38:58	10:53	22.1	PPM	LOW_FLOW
28	NOV	18	12:39:03	10:54	23.3	PPM	LOW_FLOW
28	NOV	18	12:39:08	10:54	21.6	PPM	LOW_FLOW
28	NOV	18	12:39:13	10:54	20.9	PPM	LOW_FLOW

RTO Exhaust	DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV	18	12:39:18	10:54	26.7	PPM	LOW_FLOW
28	NOV	18	12:39:23	10:54	30.1	PPM	LOW_FLOW
28	NOV	18	12:39:28	10:54	30.6	PPM	LOW_FLOW
28	NOV	18	12:39:33	10:54	32.8	PPM	LOW_FLOW
28	NOV	18	12:39:38	10:54	31.8	PPM	LOW_FLOW
28	NOV	18	12:39:43	10:54	33.2	PPM	LOW_FLOW
28	NOV	18	12:39:48	10:54	31.7	PPM	LOW_FLOW
28	NOV	18	12:39:53	10:54	31.2	PPM	LOW_FLOW
28	NOV	18	12:39:58	10:54	31.2	PPM	LOW_FLOW
28	NOV	18	12:40:03	10:55	39	PPM	LOW_FLOW
28	NOV	18	12:40:08	10:55	30.1	PPM	LOW_FLOW
28	NOV	18	12:40:13	10:55	26.8	PPM	LOW_FLOW
28	NOV	18	12:40:18	10:55	26	PPM	LOW_FLOW
28	NOV	18	12:40:23	10:55	26.6	PPM	LOW_FLOW
28	NOV	18	12:40:28	10:55	27	PPM	LOW_FLOW
28	NOV	18	12:40:33	10:55	25.5	PPM	LOW_FLOW
28	NOV	18	12:40:38	10:55	23.6	PPM	LOW_FLOW
28	NOV	18	12:40:43	10:55	23.2	PPM	LOW_FLOW
28	NOV	18	12:40:48	10:55	22.4	PPM	LOW_FLOW
28	NOV	18	12:40:53	10:55	22.1	PPM	LOW_FLOW
28	NOV	18	12:40:58	10:55	22	PPM	LOW_FLOW
28	NOV	18	12:41:03	10:56	22	PPM	LOW_FLOW
28	NOV	18	12:41:08	10:56	20	PPM	LOW_FLOW
28	NOV	18	12:41:13	10:56	19.5	PPM	LOW_FLOW
28	NOV	18	12:41:18	10:56	19.3	PPM	LOW_FLOW
28	NOV	18	12:41:23	10:56	21.8	PPM	LOW_FLOW
28	NOV	18	12:41:28	10:56	22	PPM	LOW_FLOW
28	NOV	18	12:41:33	10:56	22.2	PPM	LOW_FLOW
28	NOV	18	12:41:38	10:56	21.4	PPM	LOW_FLOW
28	NOV	18	12:41:43	10:56	20.9	PPM	LOW_FLOW
28	NOV	18	12:41:48	10:56	20	PPM	LOW_FLOW
28	NOV	18	12:41:53	10:56	19.3	PPM	LOW_FLOW
28	NOV	18	12:41:58	10:56	19.2	PPM	LOW_FLOW
28	NOV	18	12:42:03	10:57	16.7	PPM	LOW_FLOW
28	NOV	18	12:42:08	10:57	13.2	PPM	LOW_FLOW
28	NOV	18	12:42:13	10:57	12.4	PPM	LOW_FLOW
28	NOV	18	12:42:18	10:57	11.3	PPM	LOW_FLOW
28	NOV	18	12:42:23	10:57	12.4	PPM	LOW_FLOW
28	NOV	18	12:42:28	10:57	13.7	PPM	LOW_FLOW
28	NOV	18	12:42:33	10:57	14.4	PPM	LOW_FLOW
28	NOV	18	12:42:38	10:57	15.4	PPM	LOW_FLOW
28	NOV	18	12:42:43	10:57	16.8	PPM	LOW_FLOW
28	NOV	18	12:42:48	10:57	17.3	PPM	LOW_FLOW
28	NOV	18	12:42:53	10:57	18.2	PPM	LOW_FLOW
28	NOV	18	12:42:58	10:57	19.1	PPM	LOW_FLOW
28	NOV	18	12:43:03	10:58	20.4	PPM	LOW_FLOW
28	NOV	18	12:43:08	10:58	22.9	PPM	LOW_FLOW
28	NOV	18	12:43:13	10:58	17.7	PPM	LOW_FLOW
28	NOV	18	12:43:18	10:58	13.4	PPM	LOW_FLOW
28	NOV	18	12:43:23	10:58	8.8	PPM	LOW_FLOW
28	NOV	18	12:43:28	10:58	8.7	PPM	LOW_FLOW
28	NOV	18	12:43:33	10:58	9	PPM	LOW_FLOW
28	NOV	18	12:43:38	10:58	10.4	PPM	LOW_FLOW
28	NOV	18	12:43:43	10:58	10.7	PPM	LOW_FLOW
28	NOV	18	12:43:48	10:58	11	PPM	LOW_FLOW
28	NOV	18	12:43:53	10:58	11.3	PPM	LOW_FLOW
28	NOV	18	12:43:58	10:58	12	PPM	LOW_FLOW
28	NOV	18	12:44:03	10:59	11.2	PPM	LOW_FLOW
28	NOV	18	12:44:08	10:59	11.3	PPM	LOW_FLOW
28	NOV	18	12:44:13	10:59	11.6	PPM	LOW_FLOW
28	NOV	18	12:44:18	10:59	11.5	PPM	LOW_FLOW
28	NOV	18	12:44:23	10:59	15.3	PPM	LOW_FLOW
28	NOV	18	12:44:28	10:59	16.4	PPM	LOW_FLOW
28	NOV	18	12:44:33	10:59	18.4	PPM	LOW_FLOW
28	NOV	18	12:44:38	10:59	18	PPM	LOW_FLOW
28	NOV	18	12:44:43	10:59	18.9	PPM	LOW_FLOW
28	NOV	18	12:44:48	10:59	18.5	PPM	LOW_FLOW

RTO Exhaust		DATA	DATE	TIME	Corrected Time	RTO Exhaust (ppm as CH4)		
28	NOV		18	12:44:53	10:59	18.2	PPM	LOW_FLOW
28	NOV		18	12:44:58	10:59	18.3	PPM	LOW_FLOW
28	NOV		18	12:45:03	11:00	18.4	PPM	LOW_FLOW
28	NOV		18	12:45:08	11:00	22.8	PPM	LOW_FLOW
28	NOV		18	12:45:13	11:00	16.7	PPM	LOW_FLOW
28	NOV		18	12:45:18	11:00	13.8	PPM	LOW_FLOW
28	NOV		18	12:45:23	11:00	15.4	PPM	LOW_FLOW
28	NOV		18	12:45:28	11:00	16.5	PPM	LOW_FLOW
28	NOV		18	12:45:33	11:00	17.2	PPM	LOW_FLOW
28	NOV		18	12:45:38	11:00	16.1	PPM	LOW_FLOW
28	NOV		18	12:45:43	11:00	14.9	PPM	LOW_FLOW
28	NOV		18	12:45:48	11:00	14.3	PPM	LOW_FLOW
28	NOV		18	12:45:53	11:00	13.9	PPM	LOW_FLOW
28	NOV		18	12:45:58	11:00	13.4	PPM	LOW_FLOW
28	NOV		18	12:46:03	11:01	13.6	PPM	LOW_FLOW
28	NOV		18	12:46:08	11:01	13	PPM	LOW_FLOW
28	NOV		18	12:46:13	11:01	13.1	PPM	LOW_FLOW
28	NOV		18	12:46:18	11:01	12	PPM	LOW_FLOW
28	NOV		18	12:46:23	11:01	13.1	PPM	LOW_FLOW
28	NOV		18	12:46:28	11:01	15.1	PPM	LOW_FLOW
28	NOV		18	12:46:33	11:01	14.3	PPM	LOW_FLOW
28	NOV		18	12:46:38	11:01	14.7	PPM	LOW_FLOW
28	NOV		18	12:46:43	11:01	14	PPM	LOW_FLOW
28	NOV		18	12:46:48	11:01	13.5	PPM	LOW_FLOW
28	NOV		18	12:46:53	11:01	12.9	PPM	LOW_FLOW
28	NOV		18	12:46:58	11:01	12.6	PPM	LOW_FLOW
28	NOV		18	12:47:03	11:02	12.8	PPM	LOW_FLOW
28	NOV		18	12:47:08	11:02	4.8	PPM	LOW_FLOW
28	NOV		18	12:47:13	11:02	3.3	PPM	LOW_FLOW
28	NOV		18	12:47:18	11:02	2.5	PPM	LOW_FLOW
28	NOV		18	12:47:23	11:02	2.3	PPM	LOW_FLOW
28	NOV		18	12:47:28	11:02	2.1	PPM	LOW_FLOW

AUTO	DATA	DATE	TIME	PID				
28	NOV		18	13:08:06	11:23	10.2	PPM	OK
28	NOV		18	13:08:11	11:23	10	PPM	OK
28	NOV		18	13:08:16	11:23	10.1	PPM	OK
28	NOV		18	13:08:21	11:23	10.2	PPM	OK
28	NOV		18	13:08:26	11:23	9.9	PPM	OK
28	NOV		18	13:08:31	11:23	10.1	PPM	OK
								10ppm Cal

7.5 Airflow Calculation Result Sheets

Table x Airflow Measurement Results

E18-0749 T.O. Efficiency

Test Date: 11/27/2018

Generated: 2/6/2019

Test Location: Brookings

Unit Tested: CTO

Stack Tested: EtO Abator inlet

Stack Dimensions: 2in. Circular

1	
Time of Measurement	N/A
Stack Temperature (°F)	68.0
Ambient Pressure (inHg)	29.00
Static Pressure (inH₂O)	0.00
Average ΔP (inH₂O)	0.083
%Moisture (v/v) (*Estimated)	1.7*
%O₂¹	20.9
%CO₂¹	0.04
Gas Velocity (fps)	16
ACFM	21.6
SCFM	20.9
DSCFM	20.6

1. May be estimated using ambient assumption

Test Engineer(s):

Table x Airflow Measurement Results

E18-0749 T.O. Efficiency

Test Date: 11/27/2018

Generated: 2/6/2019

Test Location: Brookings

Unit Tested: CTO Outlet

Stack Tested: EtO Abator outlet

Stack Dimensions: 32in. Circular

1	
Time of Measurement	N/A
Stack Temperature (°F)	200.0
Ambient Pressure (inHg)	29.00
Static Pressure (inH₂O)	-0.06
Average ΔP (inH₂O)	0.002
%Moisture (v/v) (*Estimated)	-2.9*
%O₂¹	20.9
%CO₂¹	0.04
Gas Velocity (fps)	2.4
ACFM	797
SCFM	617
DSCFM	635

1. May be estimated using ambient assumption

Test Engineer(s):

Table X Airflow Measurement Results

0 Brookings TO and EtO abator

Test Date: 11/28/2018**Generated:** 2/6/2019**Test Location:** Brookings**Unit Tested:** RTO Inlet**Stack Tested:** Brookings TO Inlet**Stack Dimensions:** 72in. Circular

1	
Time of Measurement	N/A
Stack Temperature (°F)	61.9
Ambient Pressure (inHg)	29.00
Static Pressure (inH₂O)	-4.04
Average ΔP (inH₂O)	0.454
%Moisture (v/v) (*Estimated)	1.3*
%O₂¹	20.9
%CO₂¹	0.04
Gas Velocity (fps)	38
ACFM	65300
SCFM	63300
DSCFM	62500

Table x Airflow Measurement Results

E18-0749 Brookings TO and EtO abator

Test Date: 11/28/2018

Generated: 2/6/2019

Test Location: Brookings

Unit Tested: RTO Exhaust

Stack Tested: Brookings TO Outlet

Stack Dimensions: 84in. Circular

1	
Time of Measurement	N/A
Stack Temperature (°F)	240.0
Ambient Pressure (inHg)	29.00
Static Pressure (inH₂O)	0.38
Average ΔP (inH₂O)	0.365
%Moisture (v/v) (*Estimated)	5.1*
%O₂¹	15.7
%CO₂¹	3.5
Gas Velocity (fps)	40
ACFM	91400
SCFM	66800
DSCFM	63400

7.6 General Project Outline (GPO)

3M EHS Laboratory General Project Outline

To: Paul Peterson – 3M Brookings
From: Tim Gutzkow – 3M EHS Laboratory
CC: Brian Mader – 3M EHS Laboratory
Denise Appleton – 3M EHS Laboratory
Mike Hult – 3M EHS Environmental Operations
Jill Blissenbach – 3M EHS Environmental Operations
Jen Moore – 3M EHS Environmental Operations

Date: 11/19/2018
Subject: **3M Brookings EtO Catalyst Abator (Attest) and Thermal Oxidizer VOC Removal Efficiency Engineering Test – General Project Outline (GPO)**

➤ Project Objective:

The objective of this project is to perform:

- 1) A destruction efficiency test on the Attest line Ethylene Oxide (EtO) Catalyst Abator located at the 3M Brookings, South Dakota facility.
- 2) A destruction efficiency test on the Regenerative Thermal Oxidizer (RTO) for removal of VOC.

Each of these tests will be a destruction efficiency (DE) engineering test during normal production as operated on day of testing. Note: Not all processes need to be in operation.

Testing to be completed by 3M EHS Field Analytical Staff:

- Tim Gutzkow
- Scott Plewka
- Kareem Abou-Karam

Project Requested by:

Paul Peterson
3M Brookings Env Eng
Dept. Number: 104035
1-605-696-1445
p-peterson@mmm.com

Project Coordinated by:

Tim Gutzkow
EHS Sr. Engineering Specialist
1-651-733-9776
tgutzkow@mmm.com

➤ Test and Reporting Summary

Test Location 3M Brookings SD

***NOTE: The following is for Ethylene Oxide Abatement**

Process/Run Parameters Attest ethylene oxide abatement inlet, outlet, estimated 0.5-2 hour run time (Batch). Outlet flow rates assumed equal to inlet (No inlet airflows due to safety concerns), DE based on mass rates. Inlet airflow will be attempted using tracer gas analysis by FTIR.

Sampling Parameters FTIR based EtO concentrations

Target Analytes Ethylene oxide

***NOTE: The following is for VOC (RTO) Removal**

Process/Run Parameters

Thermal Oxidizer abatement inlet, outlet, estimated 0.5 hour run time. Both Inlet and Outlet flow rates measured; DE based on mass rates.

Test Schedule

Travel/setup/Test (11/26-28/18)

Estimated Report Date

12/31/18 (Preliminary results on site)

Report to:

Paul Peterson

Reporting Requirements

Detailed Report with supporting appendices; confidential

➤ **Safety**

EHS Laboratory personnel will adhere to the stricter of the EHS Laboratory safety policy or the safety policy of the test location.

➤ **Project Cost**

Project Cost Recharge: \$0

The requesting department will be re-charged this amount. The 3M Environmental Laboratory will cover all remaining project costs as a corporate operating expense.

Department Number for Re-charge: 104035

➤ **Test Methods and Project Information:**

Plant Address:

601 22nd Avenue South Brookings, South Dakota 57006

Applicable Limits:

- 1 tpy ethylene oxide (12-month rolling average)
- 99.0% ethylene oxide destruction efficiency

Sample locations:

- TO or Catalyst Abatement Inlet
- TO or Catalyst Abatement Outlet

Methods:

- Methods 1-4 (or other)
- Method 320 for ethylene oxide (or Mod EPA Method 25A for VOC)

➤ Attachment 1 (Photos):

